

1038X

- Author Information -

Author: Jerome Joyce Action Date: 02/17/94
User ID: JYJ3 Time: 03:00 PM

- Site Specific Information -

Name: BLACKHAWK IRON AND METAL City: WATERLOO
Address: 2724 LAFAYETTE ST. State: IA Zip Code:
County: BLACKHAWK State: IA Zip Code:
CERCLIS #: CRS #: 7-29 Region: 07 Congr. District: 00

- Site Status -

(1): NPL X Non-NPL RCRA Non-Site Specific SACM Federal*
(2): X Emergency Response Remedial Removal Other:

- Activities -

1 Incoming Call Public Meeting* 1 Health Consult* Site Visit*
1 Outgoing Call Other Meeting Health Referral Info Provided
Confrence Call 1 Data Review Written Respons Training
Incoming Mail Other Activity:

- Requestor and Affiliation -

Requestor: JIM KUDLINSKI
Affiliation: EPA, FIRE/ER&R/ENSV
Work Phone: (913)551-5152 Other Phone: () -
Address: 25 FUNSTON ROAD
KANSASCITY, KS 66101
County: WYANDOTTE Congressional District: 00

- Contacts and Affiliations -

Program Area: Health Consult

Enclosures: N
Signature: Date: 02/17/94

CC: 1. Jim Kudlinski
2. file



LACKHAWK IRON AND METAL

Action Date: 02/17/94

- Narrative Summary -

EPA has requested that ATSDR review soil sampling data from an emergency response which occurred at this former metal salvage yard which closed in June 1991 after a fire. The emergency response was initiated when it was discovered that a quantity of metallic mercury was discovered spilled on the ground outside the onsite building. It seemed that adolescents had gained access to a bottle of mercury and had spilled it in the vicinity of a playfort they had constructed out of wire spools and boards. The spill was reported by EPA to be approximately 625 square feet in dimension. To compound the situation, the contaminated area was also the site of a former lead-acid battery cracking operation and other "junkyard" metal recycling activities. Plastic coated copper wire was burned onsite in the past. Electrical transformers were also cracked open to salvage their metal components. Site access is unrestricted and it is not known if the local community relies upon groundwater for domestic purposes.

The sampling/analysis has revealed the following metallic contaminants other than mercury above health based guidelines in the soil: antimony up to 1,200 mg/kg; arsenic up to 1,000 mg/kg; cadmium up to 22 mg/kg; copper up to 305,000 mg/kg; lead up to 53,200 mg/kg; and mercury up to 3,490 mg/kg. No sampling/analytical data were available for the groundwater and it was not indicated if the local community relies upon it for domestic purposes.

Based upon some of the metal recycling operations which took place there the following additional analysis is indicated. Because plastics were burned at the site, it is recommended that chlorinated furans, dioxins and polycyclic aromatic hydrocarbons be looked for, as the wire incineration operation could have contributed to this. This site as indicated in the Emergency Response Trip Report as substantiated by the analytical data, is an urgent public health threat. Potential exposures include inhalation of the heavy metals as enumerated above, ingestion of contaminated soils, and because lead-acid batteries were involved, contamination of the groundwater is suspected. This site should receive the benefit of cleanup as soon as possible.

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- Action Required/Recommendations/Info Provided -

1. ATSDR concludes that this site is an urgent public health hazard because of the heavy metal contamination and should be cleaned up as soon as possible.
2. ATSDR recommends that site access be restricted until such time that removal activities be completed.
3. ATSDR recommends that the groundwater be tested to determine the extent of contamination.
4. ATSDR recommends that a well survey be conducted to ascertain if local residents are using it for domestic purposes.
5. Because of historical activities at this site, it is recommended that additional contaminants be looked for. These include: dioxin, chlorinated furans, PAHs and PCBs.

Signature: _____

Date: _____

Concurrence: _____

Date: _____