CON 12-15 Frith Battery Dubuque DF AUG 2001 RD

# CON 12-15
# Doc #17404

**U.S. ENVIRONMENTAL PROTECTION AGENCY**
**POLLUTION REPORT**

I. HEADING

Date: October 14, 2000

From: DeAndré Singletary, On-Scene Coordinator
U.S. EPA, Region 7

To: Larry Zaragoza, Director (5203G)
Regions 5/7 Accelerated Response Center

Subject: Former Frith Battery Dump Site, Sageville, Iowa

POLREP No.: 6

II. BACKGROUND

| | |
|---|---|
| Site No.: | A750 |
| Delivery Order No.: | 0087 |
| Response Authority: | CERCLA, Section 104 (a) |
| ERNS No.: | N/A |
| CERCLIS No.: | IASFN0703534 |
| NPL Status: | N/A |
| State Notification: | IDNR notified |
| Action Memorandum Status: | Approved 7/7/00 |
| Start Date: | 9/5/00 |
| Demobilization Date: | |
| Completion Date: | |

III. SITE INFORMATION

A. Incident Category

CERCLA incident category: Other - Former Recycling Operation

B. Site Description

1. Site Location

The Former Frith Battery Dump Site is located at 11399 Route 52 North. The legal description is SW 1/4, Section 2, T89N, R2E. The site is located north of Dubuque, IA within a flood plain identified as Couler Valley.

2. Description of Threat

In July 1999, the Iowa Department of Natural Resources (IDNR) conducted an Extended Site Screening at the site. Soil, sediment, and on-site groundwater samples were collected. The result of the sediment sample analysis were: lead 3,900 mg/kg; zinc 160,000 mg/kg; manganese 24,000 mg/kg; and arsenic 110 mg/kg. Due to limited funding, IDNR referred the site to the Environmental Protection Agency (EPA) for further investigation. (see pol rep #1 for detailed description of threat)

C. Preliminary Assessment/Site Inspection Results

Additional sampling indicated that an area encompassing 47,500 square feet would have to be excavated to a depth of 4 feet to remove the human health threat of lead and arsenic in the soil. There is also an area encompassing 20,000 square feet which will needs to be scraped from the top 6 inches to potentially a foot below ground surface.

IV. RESPONSE INFORMATION

A. Situation

**Monday, October 9, 2000** - Trucks were loaded consistently throughout the day to haul material to the landfill. Approximately 675 tons of material was received by the landfill. All excavation in the northeastern region has been completed. These areas have been fenced with caution tape and construction fencing until the areas can be backfilled. Due to disposal of materials from the marsh area, two cells have been uncovered and excavation will regain in the marsh area within the week. The excavator is in the marsh area.

**Tuesday, October 10, 2000** - Trucks were loaded throughout the day for hauling material off-site. Approximately 718 tons of material were shipped to the landfill. Approximately 268 tons of stone were delivered to the site for backfilling excavations in the northeastern region of the site. All cells will have a stone foundation with sand to aid compaction. Soil will be then be placed over this cover. Cell excavation in the marsh has again begun, and one cell was excavated and sampled.

**Wednesday, October 11, 2000** -The landfill received approximately 698 tons of material. Grass seed was ordered for restoration activities. It was decided and agreed upon by the property owner that seeding would be performed by the property owner in the spring due to the onset of the winter season. To prevent erosion from occurring over the winter and spring months, the on-scene coordinator is exploring alternatives for erosion control. Approximate volumes of 102 tons of sand, 212 tons of stone, and 15 tons of fly ash were delivered to the site. One and one half cells were excavated in the marsh area and sampled.

**Thursday, October 12, 2000** - Trucks were loaded throughout the day for hauling material to the landfill. Approximately 781 tons of contaminated material were received

by the landfill. Backfilling in the northeastern region of the site has been completed. Approximately 365 tons of soil were delivered to the site to serve as cover. The backfill was laid over the sand and stone foundation and graded. Previously collected samples were taken to Keystone Laboratories of Newton, IA for analysis. Half of a cell was excavated, and thirty tons of fly ash were delivered to the site. Sunny weather has resulted in drying out gravel roads producing dust when traveled over by trucks for loading. The roads are being wetted to help control the dust.

**Friday, October 13, 2000** - There were some light rain showers today, but not enough to delay work. Trucks were brought in for hauling. Approximately 768 tons of contaminated soil were delivered to the landfill. Excavation continues in the marsh area of the site, and one cell was excavated and sampled.

**Saturday, October 14, 2000** - The landfill is closed today, but some trucks did arrive at the site to be pre-loaded for Monday when the landfill reopens. An intermediate cell between the northeastern region of the site and the marsh area was excavated. The cell was adjacent to the previously constructed gravel road, and on the shore of the pond that was partially filled with stone to stabilize the bank. Previously excavated material was treated and added to the stockpile. There are two cells remaining for excavation; however, they are both currently under stockpiles.

B. Enforcement

Enforcement activities are ongoing. General information requests and 104(e) letters have been sent to the current property owner and several former property owners.

C. Planned Removal Activities

| Task | Duration (Estimated) | Start (Estimated or Actual) | Finish (Estimated or Actual) |
|---|---|---|---|
| Mobilization | 7 Days | Wed 9/06/00 Act | Tue 9/12/00 Act |
| Excavation | 30 Days | Wed 9/13/00 Act | Tue 10/17/00 Est |
| Transport/disposal | 25 Days | Fri 9/29/00 Act | Wed 11/01/00 Est |
| Backfilling | 14 Days | Thu 11/02/00 Est | Fri 11/17/00 Est |
| Restoration | 10 Days | Sat 11/18/00 Est | Wed 11/29/00 Est |

D. Next Steps

EPA has kept the community aware of the present situation through a fact sheet and media relations. No other community relations are planned.

E. Key Issues

Previous key issues have been resolved.

V. COST INFORMATION Cost Estimate * (as of October 14, 2000)

Extramural Costs

| | |
|---|---|
| ERRS Contractor | $340,000 |
| START Costs | $ 21,500 |
| CLP Analytical Services | $ 4,000 |
| Total Extramural Costs | $365,500 |

Intramural Costs

| | |
|---|---|
| Direct Costs | $ 14,000 |
| Indirect Costs | $ 29,050 |
| Total Intramural Costs | $ 43,050 |
| TOTAL | $408,550 |
| Project Ceiling | $972,310 |
| Percent of Project Funds Remaining | 58% |

**The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.**

VI. DISPOSITION OF WASTES

| Wastestream | Medium | Quantity | Treatment | Disposal |
|---|---|---|---|---|
| Lead/Arsenic | Contaminated soil | 6536 tons | Landfilled | Waste Management Prairie Hill, Morrison, IL |

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