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United States Environmental Protection Agency



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Factory**[Printer Friendly Version](#)**Forest City, IL - EPA Region V
POLREP #5
Final**U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Forest City HS & Ceramics Factory - Removal Polrep
Final Removal Polrep**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V****Subject:** POLREP #5
Final
Forest City HS & Ceramics Factory
C5G4
Forest City, IL
Latitude: 40.3664274 Longitude: -89.8347545**To:**
From: Andrew Maguire, On-Scene Coordinator
Date: 5/14/2013
Reporting Period: 3/27/2013 - 5/14/2013**1. Introduction****1.1 Background**

Site Number:	C5G4	Contract Number:	
D.O. Number:	TO-01-12-11-1015	Action Memo Date:	
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	2/4/2013	Start Date:	2/5/2013
Demob Date:	5/14/2013	Completion Date:	5/14/2013
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category**1.1.2 Site Description**

The Forest City Removal (the Site) occupies approximately 4.6 acres and contains the former Forest City High School. Within the 4.6 acres lie two buildings, a Quonset structure, and two underground storage tanks (USTs). Building 1 is a two-story brick building that formerly contained the school cafeteria, offices, a boiler room, and classrooms. In 2005, Building 1 was partially destroyed by a tornado causing the roof and second floor to both collapse. Due to the lack of structural stability and overall safety concerns, Building 1 has been deemed inaccessible. Building 2 is a one-story brick and concrete masonry unit containing a gym, two locker rooms, two bathrooms, a boiler room, and four classrooms. Miscellaneous debris, waste, and ceramic manufacturing materials from when the building operated as a ceramic manufacturer from 1984 to 1999 remain inside.

In June 2012, Weston Solutions, Inc. (Weston) conducted a site assessment (SA) at the property. SA activities confirmed the presence of containerized ignitable and hazardous waste, elevated levels of lead, arsenic, and asbestos in the soil adjacent to Building 1, and asbestos containing materials (ACM) both friable and non-friable within the two buildings.

1.1.2.1 Location

The Site is located at 409 Southwest Main Street in Forest City, Mason County, Illinois and is composed of the former Forest City High School. The Site is bordered to the north by agricultural and forested

areas, to the south by Main Street, the Illinois and Midland Railroad, a private residence, and agricultural land, to the east by Village Park, and to the west by an unoccupied commercial property and forested land. The Mason-Tazewell Drainage Ditch is approximately 0.2 miles south of the former school, and the Site as a whole is located within the Lower Illinois-Lake Chautauqua watershed.

1.1.2.2 Description of Threat

The confirmed threats include an unknown number of ignitable and hazardous waste containers associated with the former ceramic manufacturing operations, elevated levels of lead, arsenic, and asbestos in the soil south of Building 1, and ACM both friable and non-friable throughout the buildings.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

An initial site assessment was conducted on June 14, 2012. A total of nineteen waste solid, waste liquid, soil, and asbestos samples were taken during the assessment. Analytical results confirmed the presence of ignitable and toxic hazardous wastes in containers, the presence of lead and arsenic in the soil, and asbestos above regulatory concentrations. During assessment activities, ambient air was monitored for mercury vapor, carbon monoxide, hydrogen sulfide, lower explosive limit, oxygen, and volatile organic compounds; all monitoring readings were at or below background levels.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

See POLREP 1-4 for actions prior to March 4, 2012

During the week of March 4, 2012, removal activities continued on site with the loading and hauling away of debris from the Site. The majority was miscellaneous debris generated from abatement activities conducted on Building 1. In addition to loading trucks for disposal, the ERRS crew began breaking up and stockpiling the concrete on site. Concrete sidewalks and foundation slabs existed with both buildings. Various concrete structures such as gym locker rooms, and gym bleachers existed within the buildings too. The concrete was broken up with breakers mounted on Excavator 1, and a CAT259B Compact Track Loader. Throughout the loading and hauling process, crew members were positioned along Main Street to control traffic as dump trucks entered and exited the Site. Proper signs were placed along Main Street informing approaching vehicles of the work zone ahead.

Dependent upon daily weather conditions, particulate dust monitoring and corresponding air sampling took place on-site until March 8, 2013. March 8, 2013 marked the end of debris loading and hauling activities. During days in which monitoring and sampling could be conducted, 4 DataRams, and 7 asbestos air samplers were positioned around the Site. Five GilAir5 Tri-Mode Air Samplers were positioned to collect air samples for phase contrast microscopy (PCM) analysis, while the remaining two AircCon2 High Volume Air samplers collected samples for transmission electron microscopy (TEM) analysis. The air monitoring and sampling verified that no contaminants above levels of concern were released from the site during removal activities. In addition to air sampling, two soil samples and one duplicate were collected from the south and southeast side of where Building 1 formerly stood. The areas were sampled to due to elevated concentrations of lead during SA activities. Prior to sampling, the areas were screened with a Delta X-Ray fluorescence (XRF) spectrometer.

Due to flooding, restoration activities were delayed until May 13, 2012

On May 13 - 14, 2013, ERRS backfilled and graded the site with sand and topsoil. The township will seed the property at a future date. The site will be utilized as a park after a property transfer is completed between the current property owner and the township. EPA and ERRS demobilized from the site on May 14, 2013.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

The Enforcement Team is working on identifying PRPs and assessing cost recovery and other enforcement measures.

2.1.4 Progress Metrics

Waste Stream	Medium	Quantity	Manifest #	Treatment	Disposal
Ignitable Waste	Small Containers	17 - 55 Gal Drums	010011229		X
PCB Ballasts	Ballasts	1 - 55 Gal Drum	010011230		X

Mercury Switches	Switches	2 lbs			X
Friable ACM	Misc. Materials	8 Tons	54116		X
Non-friable ACM	Misc. Materials	6 Tons	54362		X
Construction Debris	Misc. Materials	1,515 Tons			X
Fluorescent Light Bulbs	Light Bulbs	123 lbs			X

This is an Integrated River Assessment. The numbers should overlap.	Miles of river systems cleaned and/or restored	N/A
	Cubic yards of contaminated sediments removed and/or capped	N/A
	Gallons of oil/water recovered	N/A
	Acres of soil/sediment cleaned up in floodplains and riverbanks	N/A
Stand Alone Assessment	Acres Protected	3.5
	Number of contaminated residential yards cleaned up	N/A
	Human Health Exposures Avoided	250
	Number of workers on site	8
Contaminant(s) of Concern		
Contaminant(s) of Concern	Asbestos, Lead, Arsenic	

2.2 Planning Section

No information available at this time.

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$400,000.00	\$300,000.00	\$100,000.00	25.00%
TAT/START	\$50,000.00	\$35,000.00	\$15,000.00	30.00%
Intramural Costs				
Total Site Costs	\$450,000.00	\$335,000.00	\$115,000.00	25.56%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. 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.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

3.2 Cooperating Agencies

US EPA
IEPA

4. Personnel On Site

1 - EPA OSC
3 - ERRS
1 - Truck Driver

5. Definition of Terms

EPA - Environmental Protection Agency
IEPA - Illinois Environmental Protection Agency
ERRS - Emergency & Rapid Response Services
START - Superfund Technical Assessment & Response Team

6. Additional sources of information

6.1 Internet location of additional information/report

<http://www.epaosc.org/forestcityhs>

<http://epa.gov/region5/cleanup/forestcity/index.html>

6.2 Reporting Schedule

This is the Final POLREP

7. Situational Reference Materials

No information available at this time.

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