U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Forest City HS & Ceramics Factory - Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject:	**POLREP #4** **Forest City HS & Ceramics Factory** **C5G4** **Forest City, IL** **Latitude: 40.3664274 Longitude: -89.8347545**
To:	Bruce Everetts, Illinois EPA Valencia Darby, Department of Interior Lindy Nelson, U.S. DOI Sam Borries, U.S. EPA Yolanda Bouchee-Cureton, U.S. EPA Mindy Clements, U.S. EPA Mark Durno, U.S. EPA Jason El-Zein, U.S. EPA Sherry Fielding, U.S. EPA Charlie Gebien, U.S. EPA John Glover, U.S. EPA Thomas Marks, U.S. EPA Mike Ribordy, U.S. EPA USCG PolRep Distribution, USCG Mark Johnson, ATSDR
From:	Andrew Maguire, On-Scene Coordinator
Date:	3/27/2013
Reporting Period:	March 4-8, 2013

1. Introduction

1.1 Background

Site Number:	C5G4	**Contract Number:**	
D.O. Number:	TO-01-12-11-1015	**Action Memo Date:**	
Response Authority:		**Response Type:**	Time-Critical
Response Lead:		**Incident Category:**	Removal Action
NPL Status:		**Operable Unit:**	
Mobilization Date:	2/4/2013	**Start Date:**	2/5/2013
Demob Date:		**Completion Date:**	
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

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. 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.

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

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	5			
Friable ACM	Misc. Materials	20 cubic yards	54116		X
Friable ACM	Misc. Materials	20 cubic yards			X
Non-friable ACM	Misc. Materials	20 cubic yards	54362		X

2.2 Planning Section

2.2.1 Anticipated Activities

During the week of March 11, 2013, it is anticipated that backfill activities will begin and be completed before the week's end. The completion of backfill activities will mark the conclusion of the removal.

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

No information available at this time.

4. Personnel On Site

1 - EPA OSC
1 - START
6 - ERRS

5. Definition of Terms

No information available at this time.

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

POLREPs will be delivered weekly during field activities.

7. Situational Reference Materials

No information available at this time.