

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Zonolite Road Atlanta GAO144 - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV

Subject: POLREP #8
Progress
Zonolite Road Atlanta GAO144
B407
Atlanta, GA
Latitude: 33.8063720 Longitude: -84.3417654

To:
From: Kevin Eichinger, OSC Terry Stilman, OSC
Date: 12/28/2011
Reporting Period: December 15, 2011 through December 28, 2011

1. Introduction

1.1 Background

Site Number:	B410	Contract Number:	
D.O. Number:		Action Memo Date:	4/8/2011
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	PRP	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	6/1/2011	Start Date:	6/1/2011
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.2 Site Description

A removal site evaluation indicating that the Zonolite Road Site be given priority for removal eligibility was completed on March 23, 2011. The Site, also referenced as the "GAO 144 site" was the former location of a vermiculite expansion (or, exfoliation) plant. According to the previous owner and operator, the expansion plant operated from 1950 until 1970 and received between 499 and 1,225 tons of vermiculite concentrate from the W.R. Grace vermiculite mine in Libby, Montana.

1.1.2.1 Location

The Site is located approximately 4.5 miles northeast of downtown Atlanta, Georgia, in a developed urban area of mixed light-industrial, commercial, and residential use. The site occupies about 16 acres, some or all of which was the former location of a vermiculite expansion plant. The Site is bordered to the south by Dalon Road, a landscape services and garden business, and the south fork of Peachtree Creek. To the west of the Site are Peachtree Creek and several residences. The Site is bordered to the north by railroad tracks and a complex containing numerous commercial and light industrial businesses. Residential communities are located to the south beyond the south fork of Peachtree Creek, to the west, and to the north beyond the railroad tracks.

2. Current Activities

2.1 Operations Section

2.1.2 Response Actions to Date Summary - To date, approximately 14,120 tons of material has been removed and sent offsite for disposal to the Waste Management Landfill in Ball Ground, Georgia. The project is estimated to take an additional four to six weeks. Contractor anticipates removing the majority of the pile by January 6, 2012. They will then remove and restore the creek bank followed by final scrapping.

Air sample data was received for December 13th and 14th, 2011. No asbestos was detected in the perimeter air samples on December 13th or 14th. Two personnel samples taken on December 13, 2011 from the exclusion zone contained asbestos at 0.00098 and 0.00097 fibers/cc. This level is far below the OSHA PEL for Asbestos (0.1 fibers/cc) and ABS site cleanup level of 0.02 fibers/cc.

December 15, 2011 - Removal operations continued. 46 dump trucks were loaded and sent offsite with approximately 690 tons of material. Perimeter and personnel air sampling continued. The East perimeter

sample contained asbestos at 0.00073 fibers/cc. This level is far below the ABS site cleanup level of 0.02 fibers/cc. No asbestos was detected in the personnel samples or the other perimeter samples. OSC and START discussed the position of the worker wetting the material to assuring sufficient wetting of the material as it is loaded into the dump trucks. Also discussed quicker turn around on analytical results; result has been taking more than two days.

December 16, 2011 - Removal operations continued. 52 dump trucks were loaded and sent offsite with approximately 780 tons of material. No asbestos was detected in the perimeter or personnel air samples.

DeKalb County Natural Resources, a representative from the South Fork Conservancy and AECOM met to establish final size of pond/wetland area and final grade/concept.

December 19, 2011 - Removal operations continued. 43 dump trucks were loaded and sent offsite with approximately 645 tons of material. Perimeter and personnel sampling continues. No asbestos was detected in personnel or perimeter air samples.

At 0845 hours, START observed two males removing large rocks from creek bank inside of the exclusion zone. The two individuals were escorted from the area and advised on the hazards. They crossed over the fencing, despite the multiple bilingual asbestos warning signs, based on the direction of the Property Manager of the adjacent properties. OSC Eichinger contacted the Property Manager and reiterated the site restrictions based on the potential asbestos hazard. The rock is scheduled to be removed and replaced during the excavation of the creek bank. OSC Eichinger and START met with representatives from the South Fork Conservancy and reviewed the draft grading plan and discussed site issues and schedule.

December 20, 2011 - Removal operations continued. 54 dump trucks were loaded and sent offsite with approximately 810 tons of material. Perimeter and personnel sampling continues. The East perimeter sample contained asbestos at 0.00073 fibers/cc. This level is far below the ABS site cleanup level of 0.02 fibers/cc. No asbestos was detected in the personnel samples or the other perimeter samples. URS personnel collected multiple samples in the excavated areas to determine the effectiveness of the removal operations.

December 21, 2011 - Removal operations continued. 37 dump trucks were loaded and sent offsite with approximately 555 tons of material. No asbestos was detected in the perimeter air samples. One personnel samples from the exclusion zone contained asbestos at 0.00099 fibers/cc. This level is far below the OSHA PEL for Asbestos (0.1 fibers/cc) and ABS site cleanup level of 0.02 fibers/cc. Heavy rains in the afternoon caused the project to shut down early for the day.

December 22, 2011 - Removal operations were suspended due to the heavy rains and damage to the haul roads. Crews drained sump under decontamination pad and pooled area near sediment basin. Several loads of stone and road based were installed to repair existing roadways near current excavation, scaffolding, entrance and trailer. Perimeter and personnel sampling continues. No asbestos was detected in personnel or perimeter air samples.

December 23, 2011 - Removal operations continued. 34 dump trucks were loaded and sent offsite with approximately 510 tons of material. Perimeter and personnel air sampling continued. No asbestos was detected in personnel or perimeter air samples. Issues with the excavator slowed down the removal operations.

December 26, 2011 - No work occurred due to the holiday.

December 27, 2011 - Removal operations were suspended due to the heavy rains and damage to the haul roads. Crews work on drainage issues in the exclusion areas and repaired the haul roads washed out by the rain.

December 28, 2011 - Removal operations continued. 43 dump trucks were loaded and sent offsite with approximately 645 tons of material. Perimeter and personnel air sampling continued. Received draft final grading plan from DeKalb County and the South Fork Conservancy. OSC Eichinger requested that W.R. Grace submit this grading plan as an addendum to the Work Plan. OSC Stilman issued a letter clarifying requirements for final clearance sampling. OSC Eichinger and START reviewed and discussed a draft clearance sampling plan addendum with W.R. Grace and URS. This will be submitted as an addendum to the site documents. A replacement excavator was delivered. Verbal sample results for the soil sampling that occurred on December 20, 2011 were received. Results indicated that the samples contained no asbestos.

2.2 Planning Section

2.2.1 Anticipated Activities

Continue with soil removal.

Plan for the removal and the restoration of the drainage creek bank

Receive the addendum to the QAPP and Work Plan.

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

3.2 Cooperating Agencies

Dekalb County

4. Personnel On Site

The following personnel were onsite at various times through out the reporting period:

EPA - 3
DeKalb County Natural Resources - 1
South Fork Conservancy - 2
AECOM - 1
START - 1
URS - 2
W.R. Grace (Remedium Group) - 1
One Group Consulting - 2
Winter Environmental - 21

5. Definition of Terms

ABS - Activity Based Sampling - Collecting of air samples while engaging in dust generation activities that could disturb asbestos fibers and release them into the air.

OSHA - Occupational Safety and Health Administration - an agency of the United States Department of Labor whose mission is to prevent work-related injuries, illnesses, and occupational fatality by issuing and enforcing standards for workplace safety and health.

PCM - Phase Contrast Microscopy - Sample analysis procedure, following NIOSH Analytical Method 7400, used to determine the presence of fibers in air samples. This procedure does not differentiate between non-hazardous fibers and asbestos fibers. Used to determine the effectiveness of engineering controls and work practices during the actual removal of the asbestos contaminated material.

PEL - Permissible Exposure Limit - Legal limit in the United States for worker exposure to a chemical substance or physical agent.

TEM - Transmission Electron Microscopy - Sample analysis procedure, following NIOSH Method 7402, used to determine the presence, type and concentration of asbestos in air samples.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.