

United States Environmental Protection Agency
Region III
POLLUTION REPORT

Date: Saturday, July 2, 2011

From: Jack Kelly

Subject: Powhatan Mining Company

6721 Windsor Mill Road, Woodlawn, MD

Latitude: 39.3250000

Longitude: -76.7358000

POLREP No.:	27	Site #:	A3NA
Reporting Period:	06/20/2011 - 07/02/2011	D.O. #:	
Start Date:	8/16/2010	Response Authority:	CERCLA
Mob Date:	8/15/2010	Response Type:	Time-Critical
Demob Date:		NPL Status:	Non NPL
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:	MDN000306665	Contract #	
RCRIS ID #:			

Site Description

The Powhatan Mining Company site is the location of a former asbestos processing facility. The mill operated from approximately 1920 to 1980 primarily processing anthophyllite asbestos. Asbestos ore for the mill was mined in Maryland until about the 1940s and later brought in from several States including California, Georgia and Alabama. The site is bordered on all sides by residential properties and the residential yards to the southwest lie within feet of the former processing facility and in the path of site runoff. In 2006, the property to the east of the former mill was subdivided into residential lots for new home construction. From 2006 to 2008, the residential lots were cleared and graded and retention ponds were installed. Development ceased after only two homes were constructed.

The former processing facility is a multi-story building with a loading area on the northeast end (cement block portion) and a processing area at the southwest end (rusty metal portion). The asbestos fiber extraction process took place inside the building complex. Asbestos ore was reportedly received and first dried in the cement block portion of the complex. Further processing of the rock ore is believed to have occurred in the metal portion of the facility, a multi-level, timber-framed structure with stone foundation and corrugated metal siding. In the milling operation believed used at this facility, the asbestos ore was first crushed to a normal, even size and then dried. Fiber extraction then occurred through a series of crushing operations, each followed by vacuum aspiration of the ore running on a vibrating screen. On the screen, the fibers were released from the ore and collected into a vacuum system. Fibers recovered from consecutive vibrating screens were brought to cyclone separators, and the air filtered to remove the finer, suspended fibers.

The property was brought to EPA's attention by the Maryland Dept of the Environment. After an initial assessment, a non-emergency Removal Action primarily intended to secure building openings was initiated by the OSC in a Special Bulletin dated August 11, 2009. More recent sampling data and conditions warranted a time-critical action. A time-critical Action Memorandum for the site, concurred on by HQ, was signed on June 8, 2010. In addition, a memorandum authorizing demolition and compensation to the property owner was approved by the Region and HQ on this date.

EPA will be conducting removal activities at the site in order to deconstruct the facility and remove/cover soil which may pose a threat to public health and/or the environment. During activities which will cause significant disturbance of interior dust or outdoor soils, air samples periodically will be collected from personal sampling devices on cleanup personnel to determine if proper levels of protection are being used at the site. Additional air samples will be collected along the perimeter of the site to confirm that engineering controls are protective of the surrounding community.

Current Activities

06/20 and 06/21 - OSC Kelly not present. OSC Ham onsite. Stockpiling of excavated soil proceeds.

06/22 - OSK Kelly arrived ~4 pm. OSC went over finance issues with the Field Accountant. Crew continues stockpiling soil. New garage almost complete. Discussed TCLP sampling of stockpiled soil with START.

06/23 - Soil stockpiling. Garage work continues.

06/24 - USGS geologists from Reston, VA present onsite at the invitation of the OSC. The OSC provided a site history, described work to date, showed old photos and company documents, provided a quick walkover. Geologists collected a few pieces of ore and soil samples for lab analyses. The OSC and RM discussed work sequencing and estimated completion date.

06/27 to 07/01 - OSC Kelly not onsite due to personal need to remain in Philadelphia area. OSC Wenning onsite.

- Crew excavating and stockpiling soil from old facility footprint.

- On 06/27, the owner dropped off a list of concerns regarding the new building. Twenty-two items were on the list. Most were small and could be corrected easily. OSC Wenning indicate that the owner, ERRS and Rasche Bros were working things out and my involvement was not needed at this time.

- START conducted personal air sampling on 6/27 and 6/29. Personnel air concentrations have dropped considerably since demolition ceased.

- ERRS had fill delivered for placing on the former processing building footprint.

Planned Removal Actions

- Complete construction of the new garage.
- Complete soil excavation, grading and then begin backfilling of old facility footprint.

Disposition of Wastes

Waste Stream	Quantity	Manifest #	Disposal Facility
Asbestos from interior cleaning	9.33 tons	057176	Old Dominion Landfill, Richmond, VA 10/16/10
Asbestos " "	7.50 tons	057177	Old Dominion Landfill, Richmond, VA 11/11/10
Asbestos " "	3.49 tons	057178	Old Dominion Landfill, Richmond, VA 12/17/10
Asbestos " "	1.92 tons	057183	Old Dominion Landfill, Richmond, VA 02/24/11

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