United States Environmental Protection Agency
Region III
POLLUTION REPORT

Date: Saturday, August 6, 2011
From: Jack Kelly

Subject: Powhatan Mining Company
6721 Windsor Mill Road, Woodlawn, MD
Latitude: 39.3250000
Longitude: -76.7358000

POLREP No.:	30	**Site #:**	A3NA
Reporting Period:	07/25/2011 - 08/06/2011	**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 (rusted 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 occured 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

During this period, OSC Kelly was at an asbestos-related conference (week of July 25) and on vacation (week of August 1). OSCs Ham and Cruz filled in during this time.

07/25 to 07/30 - The major activity this week involved the load out of contaminated soil from the area under and around the footprint of the former procesing facility. Eighteen truckloads of soil were transported for this reporting period to the Republic/Modern landfill in York, PA.

08/01 - OSC Wenning on site in am, OSC Cruz in pm. Four truckloads of asbestos contaminated soil taken to landfill. ERRS removing soil and grading.

08/02 - OSC Cruz present onsite. Four truckloads of soil shipped to the landfill. Several trees were dropped off by the CIty of Baltimore Parks Dept obtained by the owner.

08/03 - OSC Cruz present. Four truckloads of soil shipped to the landfill. ERRS crew grading and moving cleaned personal items from conex boxes into new garage.

08/04 - OSC Cruz onsite. ERRS crew moving items from conex boxes to new garage. Sub contractor onsite to install the exhaust flue in the new garage. This completes garage work. The owner was advised to have a proper barrier between the building wall and his interior wood burning stove.

08/05 - OSC Cruz onsite. ERRS crew completes moving items from conex boxes to the new garage. Four conex boxes sent back to vendor this day. Owner instructed not to place paints or solvents in the onsite trash dumpster.

08/06 - No operations this day.

Planned Removal Actions

- Install trench drain when prefab material received..
- Get materials for and build micro bio retention filter in former processing building footprint.
- Continue to transport and dispose of stockpiled contaminated soil.
- Grade and lay down clean fill over former processing facility footprint.

Disposition of Wastes

Below values are all rough estimates for

Friable and Non-Friable asbestos-containing waste (ACM) has been disposed of. This includes porous, contaminated personal items and demolition waste. Beginning in late July, asbestos-contaminated soil will be disposed of.

Approximately twenty 30 cu yd containers of concrete were sent off for recycling to Machado Construction primarily from May 13 to June 6 after demolition.

The demolition subcontractor arranged for the recycling of approximately ten containers of scrap steel.

Personal "white good" items that were cleaned of asbestos but identified as not needed by the owner were sent off to the local county landfill for disposal.

Waste Stream	Quantity	Manifest #	Disposal Facility
Asbestos from interior cleaning	20.32 tons total	057176, 057177, 057178	Old Dominion Landfill, Richmond, VA
Asbestos	1.92 tons	057183	Old Dominion Landfill, Richmond, VA
Asbestos from demolition	102.6 tons total	Tracking Numbers 1 through 19	Cumberland County LF, Shippensburg, PA
Asbestos (mainly from interior cleanup)	~ 30 cu yds	Tracking Number 20	Cumberland County LF, Shippensburg, PA
Asbestos contaminated soil	~ 23 tons EACH	Tracking numbers 001 to 033	Republic/Modern Landfill, York, PA