



Facts About...

1177 PATUXENT ROAD PROPERTY
LOT 1, FLOODPLAIN A & B
(Voluntary Cleanup Program)

Site Description

This 35.51-acre property, located at 1177 Patuxent Road, is on the northeast side of Patuxent Road in a rural section near Odenton, Anne Arundel County, Maryland. The majority of the site is vacant vegetated land and floodplain. The remains of a few concrete buildings and other structures (radio tower) are present in the central and southeastern portions of the property. Piles of sand and gravel are located throughout the site, as well as small areas of nuisance dumping containing tires, old metal equipment, asphalt and concrete debris. An area of debris including hoppers, truck and car parts and other metal items is concentrated on the northwestern portion of the site in an area formerly known as "Dumpsite B." A one-story residential rental property is located on the southwest corner of the site and is currently occupied. The rental property is served by a potable well that is approximately 175 feet deep. A small manmade pond is located near the residence.

A 1,000-foot long surface water impoundment is located at the northeast corner of the site and adjoins a small tributary stream that flows along the eastern boundary of the site and into the Little Patuxent River. Domestic wells and public water supply wells were identified within one-half mile of the property. The potable water wells in the vicinity of the site range from approximately 20 to 202 feet deep. Municipal water and sewer service are not available for the site and vicinity.

Site History

Historical research indicates the property was used for sand and gravel surface mining, asphalt production, and asphalt truck maintenance and cleaning from at least the early 1930s to the early 1970s. Routine burial and release of concrete, asphalt, and vehicle maintenance fluids to on-site surface waters is believed to have taken place during that period. Trichloroethene (TCE) was also reportedly used routinely in the northeastern portion of the site to clean asphalt-coated trucks and equipment. The cleaning operations were reportedly performed outdoors on unpaved ground. After site operations ceased in the early 1970s, the property was used as a refuse disposal area. In the 1980s, a variety of construction debris, refuse, and industrial wastes were reportedly disposed in trenches on the site by a curbing contractor who was leasing the property. In 1995, approximately three hundred 55-gallon drums were found buried near the northeast corner of the site. Some of the drums were found to contain petroleum products, asphalt, and industrial solvents, and a number of the drums appeared to be leaking. In 1996, all of the drums were removed from the site and properly disposed. In 1996, two underground storage tanks were removed from the site (one 10,000 gallon gasoline and one 10,000 gallon diesel) under the direction of the Maryland Department of the Environment's Oil Control Program.

Environmental Investigations

Environmental investigations have been conducted at the site since 1990. Soil and ground water samples were collected at the site in 1995, 1996, 1997, 1998, 2005 and 2006. Results from monitoring well sampling conducted during 2005 and 2006 indicated levels of vinyl chloride and cis-1,2-dichloroethene above the drinking water standard in the shallow ground water. Samples collected in 2006 indicated



elevated levels of arsenic in surface and subsurface soils at the site. Elevated levels of petroleum constituents were detected in subsurface soils in the vicinity of the former 1,000-gallon gasoline tank near the former maintenance building.

Additional soil and groundwater samples as requested by the Department on February 9, 2006, were collected during April, 2006. Monitoring well MW-8 was resampled to confirm the reduction in concentrations of constituents of chlorinated solvents previously detected. The additional sampling indicated that the levels of chlorinated solvents previously detected during the initial investigation had significantly decreased. Groundwater samples obtained from potable wells installed at the 1177 Patuxent Road site and two adjacent properties did not indicate the presence of chlorinated solvents or petroleum products.

Voluntary Cleanup Program (VCP) Status

A prospective purchaser of the 1177 Patuxent Road property submitted a Voluntary Cleanup Program (VCP) application to the Department in September 1997. On December 17, 1997, the Department accepted the site into the VCP and the application was subsequently withdrawn from the VCP in February 2001. On November 8, 2005, PAX, LLC submitted an application as a responsible person seeking a Certificate of Completion for future commercial use of the property. On August 16, 2006, a No Further Requirements Determination was issued for the property with a restriction on the use of the shallow groundwater aquifer and requiring the installation of a vapor barrier or additional testing prior to any new construction on the property.

Contact:

For additional information, please contact the Land Restoration Program at (410) 537-3493.

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