



Maryland Department of the  
Environment

## **FACTS ABOUT: CHEVRON U.S.A. INC., WEST YARD PROPERTY (Voluntary Cleanup Program)**

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### **Site Location**

This 28.6-acre property located at 1901 Chesapeake Avenue is in a heavily industrialized area of Baltimore City, Maryland. The property is surrounded by large petroleum refineries and related businesses. Storm water runoff from the property flows easterly towards a storm water sewer system that discharges to the Patapsco River located within 1500 feet of the property. Groundwater beneath the property also flows easterly towards the Patapsco River.

### **Site History**

Prior to 1912, the property was undeveloped. From 1912 to 1948, the property was part of a petroleum refinery owned and operated by Prudential Oil, followed by Continental Oil Company (Conoco). In 1948, the property was sold to American Bitumals Company, a subsidiary of Chevron-Texaco and in 1957, the facility name was changed to Chevron Asphalt. Chevron Asphalt Company acquired the property in 1969 and the facility was sold to Chevron U.S.A. in December 1977. Between 1948 and 1983, operations at the facility included the production of asphalt and petroleum refining. In 1983, operations changed from a petroleum refinery to an asphalt terminal. The site became inactive in 1995.

### **Environmental Investigations And Actions**

The Oil Control Program (OCP) of the Maryland Department of the Environment provided oversight during the investigation of off-site petroleum releases from Conoco in 1987, Vista Chemical in 1988, Louis Dreyfus Energy Corporation in 1991, and Chevron East Yard facility in 1994. These releases impacted the Chevron West Yard property and remedial measures were implemented.

In 1999, MDE conducted a site survey and listed further requirements for the investigation of controlled hazardous substances at the property. Multiple environmental investigations conducted in 2001 identified the principal contaminants as petroleum hydrocarbons and volatile organic compounds, with lower concentrations of metals and semi-volatile organic compounds in soils and groundwater.



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1800 Washington Boulevard | Baltimore, MD 21230-1718 | [www.mde.state.md.us](http://www.mde.state.md.us)  
410-537-3000 | 800-633-6101 | TTY Users: 800-735-2258

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Site decommissioning activities (which begin in 2001 and concluded in 2003) removed all former buildings (except one warehouse), operating tanks, and associated pipe racks. Nearly the entire property has been graded and paved with asphalt for use by the property developer for the purpose of parking newly manufactured vehicles.

Various investigations, and remediation activities, including soil excavation and off-site disposal, in-situ soil stabilization, impermeable liner installation in storm water management basin, and light non-aqueous phase liquids (LNAPLs) removal system installation, were performed at the property from 2002 to present. LNAPLs are currently being removed via the use of skimmer pumps installed in a large network of recovery wells. Permanent and temporary monitoring wells present on the property are gauged quarterly to monitor the petroleum product in the groundwater.

### **Current Status**

In July 2002, the Chevron Environmental Management Company submitted a Voluntary Cleanup Program (VCP) application for the property seeking a Certificate of Completion as a responsible person. The property was accepted into the VCP in February 2003. APS Properties 2, Inc., a prospective purchaser of the property, filed a VCP application in January 2004 seeking inculcable person status. A proposed response action plan (RAP) to address environmental concerns on the property was submitted in May 2006 and a public informational meeting was held in July 2006. Numerous comments regarding the proposed RAP were released between August 2006 and July 2009 and the revised RAP was approved in August 2009. The Chevron U.S.A. West Yard property has been subdivided into two parcels: (1) Chevron U.S.A., Inc., West Yard-Chesapeake, Baltimore Terminal property located at 1901 Chesapeake Avenue and (2) Chevron U.S.A., Inc., West Yard-Fairfield, Baltimore Asphalt Terminal located at 3421 Fairfield Avenue. In June 2009, a new VCP application for each property was submitted to VCP. LNAPLs are being removed from a large network of recovery wells at West Yard-Fairfield while additional assessment is being completed at West Yard-Chesapeake under OCP oversight. Quarterly groundwater monitoring reports are being submitted to the VCP for both properties. The properties will continue to be used for industrial purposes.

The adjacent Chevron Excess East Yard and Operating Yard properties were accepted into the VCP in 2006 and 2010, respectively.



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