



## CHEVRON OPERATING YARD PROPERTY (MD786)

### What You Need to Know

#### Site Location

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This active 23.98-acre property, located at 1950 and 1955 Chesapeake Avenue, Baltimore, Maryland, is in the industrialized Fairfield District of Baltimore City. Petroleum refining-related businesses and terminal activities for staging imported vehicles surround the property. Stormwater runoff from the property flows towards the stormwater system discharging to the Patapsco River, located east of the property. Groundwater beneath the property also flows towards the Patapsco River. Municipal water and sewer systems serve the property and vicinity.

#### Site History

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The property has been used for industrial purposes since approximately 1912. The northern part of the property was used for fertilizer production until 1973. The southern part of the property was used as a petroleum refinery until 1948 and after for asphalt production and petroleum refining operations.

The western part of the property has been an asphalt terminal since 1983. Several operating buildings, in-use and out of use aboveground storage tanks (ASTs), associated pipe racks, and an asphalt truck loading rack are located on the western part of the property. Asphalt cement products are received from a barge or ship, stored in the ASTs, and loaded onto customers' trucks via the loading racks. The eastern part of the property is paved for the staging of imported vehicles.

#### Environmental Investigation

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Chevron Environmental Management Company (Chevron) completed Phase I and II Environmental Site Assessments (ESAs) in March 2009 for the Voluntary Cleanup Program (VCP) application. The contaminants detected at elevated levels in soil and/or groundwater at the property were: priority pollutants metals, volatile organic compounds, semi-volatile organic compounds, total petroleum hydrocarbons (TPH), polychlorinated biphenyl (PCB), and light non-aqueous phase liquid (LNAPL). The remediation goals were to mitigate arsenic, lead, chromium VI, PCB-1260, and TPH diesel range organics detected above site-specific industrial standards in soil and to mitigate LNAPL.

#### Current Status

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Chevron entered the property into MDE's VCP in March 2009, and the property was accepted into the VCP in April 2010 with the requirement that a response action plan (RAP) be developed. In January 2012, Targa Terminals LLC submitted a 2nd VCP application package seeking a Certificate of Completion as an inculcable party. MDE accepted the Targa Terminals LLC application. In 2019, Targa Terminal LLC was replaced by Pike Baltimore Terminals, LLC.



Between 2010 and 2022, Chevron submitted the following to MDE: 2013 RAP and subsequent twenty-five (25) RAP addendums, additional ESA work plans, ESA results, remedial designs, and remedial action (RA) completion reports for separate parts of the property. The RA included the installation of the environmental containment remedy (cap) at the whole property, soil vapor extraction, and in-situ stabilization (ISS) in the southern part of the property where LNAPL was present. The August 2022 final remedial action completion report documented all activities completed at the property.

In December 2022, the MDE issued a Certification of Completion and an Environmental Covenant for the property for restricted industrial (Tier 3B) purposes with the requirement to develop a health and safety plan before conducting any excavation activities, the requirements for excavations encountering groundwater, the soil excavation and disposal requirement, the post remedial monitoring and maintenance of all type of caps requirements, the requirement for new construction, the annual reporting requirement, and the prohibition on the use of groundwater beneath the property. Future use for the property will continue as industrial.

The Controlled Hazardous Substance (CHS) Enforcement Division oversaw the off-site sediment removal action involving removing arsenic-impacted sediment and replacing the removed sediment with clean fill. Chevron completed the removal action in November 2022 per the requirements in the permits and license issued by the United States Army Corps of Engineers and State Board of Public Works. The remedial action completion report for the off-site RA was provided to MDE CHS Enforcement Division in February 2023, and MDE issued a No Further Requirement letter for the off-site sediment removal in April 2023.

The adjacent Chevron West Yard and Excess East Yard properties were accepted into the VCP in 2003 and 2006, respectively. The Certification of Completion of remedial action was issued for the Chevron Excess East Yard property in August 2013 and for the Chevron West Yard Chesapeake property, part of the Chevron West Yard property, in April 2017.