



Maryland Department  
of the Environment

## **FACTS ABOUT: BEL AIR XTRAMART**

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### **ENVIRONMENTAL INVESTIGATION BEL AIR XTRAMART 2476 EAST CHURCHVILLE ROAD, BEL AIR HARFORD COUNTY, MARYLAND MDE CASE NO. 1989-0972HA (CLOSED) MDE CASE NO. 2011-0112HA (OPEN)**

#### **SITE LOCATION**

The Xtramart Store is currently operated by Drake Petroleum. Gasoline services have been offered at the site since prior to 1980. In the late 1980s, the Department oversaw the removal of six steel underground storage tank (UST) systems: four 2,000-gallon gasoline, a 1,000-gallon used oil, and a 1,000-gallon heating oil. The current UST systems, installed in 1989, are comprised of five composite USTs: a 10,000-gallon gasoline, two 8,000-gallon gasoline, an 8,000-gallon diesel, and an 8,000-gallon kerosene. The USTs utilize fiberglass-reinforced plastic piping and Stage II vapor recovery. Eleven shallow monitoring wells and two tank field monitoring pipes are located on-site, and a clustered shallow/deep monitoring well pair is located off-site. The site is served by municipal water. Private supply wells are located in close proximity to the site. Shallow groundwater flow at the site is northeasterly, with depth to shallow groundwater ranging from approximately 8 to 18 feet.

#### **SITE HISTORY**

In 1988, the MDE opened Case No. 1989-0972-HA due to compliance issues at the facility. Liquid phase hydrocarbons (LPH) were first noted in the tank field monitoring pipes in 1991. As a result, four monitoring wells were installed. The Department required the registered tank owner to install and operate a groundwater pump-and-treat system in 1992. This system was operated with successive upgrades until 2002. Measurable LPH were last noted in the monitoring/recovery well network in 2001. Between 1992 and 2002, approximately 1.74 million gallons of groundwater were treated and 43 gallons of LPH were recovered.

In 2001, ownership of the UST systems transferred to Kenyon Oil. In 2004, Kenyon Oil merged with Drake Petroleum Company, Inc. In accordance with Code of Maryland Regulations (COMAR) 26.10.02.03-4, Drake Petroleum began sampling the existing monitoring/recovery well network in April 2005. Between April 2005 and September 2008, groundwater monitoring wells to the east of the station continued to exhibit decreasing trends of petroleum constituents. In 2009, the Department approved abandonment of select historic monitoring/recovery wells. The Department closed Case No. 1989-0972-HA in October 2010.



## **CURRENT STATUS**

Although the historic LPH plume was located to the east of the existing station, more recent sampling data indicated increasing trends of dissolved-phase contamination on the western side of the building near the active tank field. In August 2010, the Department opened Case No. 2011-0112-HA to investigate suspected secondary vapor and small liquid releases from the current UST systems. At that time, two additional monitoring wells were installed on the western portion of the property to continue compliance monitoring with COMAR 26.10.02.03-4. In 2011, four additional monitoring wells were installed (two on-site and the off-site shallow/deep clustered well pair). Feasibility testing for remedial technologies was conducted in 2011. A Corrective Action Plan (CAP) was submitted to the MDE-OCP, proposing installation of a high-vacuum enhanced groundwater extraction (VEGE) system, with an additional SVE system on the tank field. The Department approved the CAP in January 2012. Four additional recovery wells were installed as part of remediation system installation. The remediation system was activated in late November 2012.

To date, several private off-site drinking water supply wells, located in close proximity to the active station, have been sampled. Methyl tertiary-butyl ether (MTBE) impacts have been confirmed above the State's action level of 20 parts per billion (ppb) in one supply well. This supply well has been retrofitted with a granular activated carbon (GAC) filtration system and placed on a routine sampling and maintenance schedule. The Department continues to investigate the source of this contamination. The other private and commercial wells sampled have been non-detect for petroleum constituents or had low levels of MTBE below the State's action level. At this time, the MDE-OCP does not anticipate expanding the off-site residential sampling effort beyond sampling needed to ensure community safety.

## **FUTURE UPDATES**

- Postings on [www.mde.state.md.us](http://www.mde.state.md.us)
- File available at the MDE Headquarters

## **CONTACTS**

- Maryland Department of the Environment - Oil Control Program: 410-537-3442
- Harford County Health Department: 410-877-2321 or 410-877-2322
- Drake Petroleum Company, Inc. Information: 845-561-4000

## **DISCLAIMER**

The intent of this fact sheet is to provide the reader a summary of site events as they are contained within documents available to MDE. To fully understand the site and surrounding environmental conditions, MDE recommends that the reader review the case file that is available at MDE through the Public Information Act. The inclusion of a person or company's name within this fact sheet is for informational purposes only and should not be considered a conclusion by MDE on liability, involvement in a wrongful act, or contribution to environmental damage.