



FACTS ABOUT: FORMER FALLSTON SUNOCO

ENVIRONMENTAL INVESTIGATION FALLSTON BP (FORMER FALLSTON SUNOCO) 1515 BELAIR ROAD, FALLSTON HARFORD COUNTY, MARYLAND MDE CASE NO. 1997-0662-HA (OPEN)

SITE LOCATION

The Maryland Department of the Environment (MDE), Oil Control Program (OCP), has evaluated the impact of petroleum constituents at the Fallston BP. This location has supported an active gasoline retail station since the 1970s, when five steel underground storage tank (UST) systems were owned and operated by the Sun Company, Inc. (Sunoco). The first-generation USTs were removed in October 1996 and replaced with two second-generation 15,000-gallon fiberglass-reinforced plastic gasoline USTs. The piping is comprised of double-walled flexible plastic. The site has Stage I and II vapor recovery systems. In 1997, the UST systems were registered to Bel Air Sunoco Inc., an independent operator. In 2009, the property was sold to another independent operator who is now responsible for the daily operation of the facility. Currently, 16 monitoring wells and 2 tank field monitoring pipes are located on-site and off-site. Groundwater flow is northeast/westerly, with depth to groundwater between 8 and 18 feet.

SITE HISTORY

In September 1996, the MDE-OCP received the results of a subsurface investigation documenting the detection of petroleum constituents in three newly installed monitoring wells (benzene at 16,000 parts per billion [ppb], toluene at 34,000 ppb; ethylbenzene at 4,000 ppb; xylene at 25,000 ppb; and methyl tertiary-butyl ether [MTBE] at 37,000 ppb). The facility is served by municipal water, although there are private supply wells on adjacent properties.

ENVIRONMENTAL INVESTIGATION AND ACTIONS

Between 1999 and 2004, nine additional monitoring wells were installed on-site and one well was abandoned following building expansion. Liquid phase hydrocarbons (LPH) were first detected in 2001 and vacuum extraction events were conducted. A pump-and-treat/soil vapor extraction remediation system was installed and operated from January 2005 through July 2010, with reactivation of the system in February 2013. Seven additional monitoring/recovery wells were installed between 2006 and 2013. Since system startup in 2005, the remediation system has treated over 1,264,678 gallons of groundwater and recovered over 2,675 pounds of hydrocarbons. Due to declining recovery rates, the MDE approved a trial system shutdown with post-remedial monitoring in May 2014.



CURRENT STATUS

To date, several private off-site drinking water supply wells, located in close proximity to the active station, have been sampled by Sunoco. All wells sampled were non-detect for petroleum constituents. 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.maryland.gov
- 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
- Sunoco, Inc. 1-813-957-2343

Disclaimer

The intent of this fact sheet is to provide the reader a summary of site events as they are contained in documents available to MDE. To fully understand the site and surrounding environmental conditions, MDE recommends 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.