



Maryland Department
of the Environment

FACTS ABOUT: FORMER MIDWAY GAS STATION

ENVIRONMENTAL INVESTIGATION FORMER MIDWAY GAS STATION 6902 HOLABIRD AVENUE, DUNDALK BALTIMORE COUNTY, MARYLAND MDE CASE NO. 1989-0037BA (OPEN)

SITE LOCATION

The Maryland Department of the Environment (MDE), Oil Control Program (OCP), in coordination with the Baltimore County Department of Environmental Protection and Sustainability (DEPS), is evaluating the impact of petroleum products at the former Midway gas station located at 6902 Holabird Avenue. The MDE has assumed control of environmental assessment and cleanup activities since the former responsible party is no longer viable. The facility formerly operated as a gasoline station under the name Midway Petroleum from at least the 1960s to 2007. In 2007, underground storage tank (UST) systems were removed and the site was listed for lease. The Midway site is now operating as a commercial retail facility. The area is served by Baltimore City municipal water and sewer.

SITE HISTORY

The MDE-OCP case was opened in September 1986 when a station worker reported a diesel spill on the site. Repeated oil spills and UST leaks have occurred throughout the operation of Midway Petroleum until its official closure in 2007. Thirteen USTs that contained gasoline or diesel fuel were previously located on-site. Between 1987 and 2007, the USTs were either removed or closed in place. Six monitoring wells were installed on-site in May 1999 to assess groundwater conditions and to delineate petroleum contamination. Five additional monitoring wells were installed in October 2011. Liquid phase hydrocarbons (LPH) (i.e. product) have been detected in five of the northern monitoring wells since installation. Groundwater at the site flows northwest and is found at depths of approximately 30 feet with perched water zones at approximately 7 feet below the ground surface. Soils in the vicinity are typically clays, silts, and fine sands.

ENVIRONMENTAL INVESTIGATIONS AND ACTIONS

Renewed monitoring well gauging/sampling has been performed quarterly since 2010, in conjunction with LPH removal via enhanced fluid recovery (EFR) events. In 2011, MDE conducted a laser-induced fluorescence (LIF) survey to further delineate the extent of the LPH. Results of the LIF survey revealed a petroleum plume on the north/northeast portion of the site at



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depths between 25 to 41 feet below ground surface. Subsequently, the five additional monitoring wells were installed in October 2011 along the north and northeast edge of the site.

CURRENT STATUS

In January 2012, MDE contractors installed and sampled vapor monitoring points (VMP) to gather data to evaluate the potential for vapor intrusion from the petroleum contamination. The results from the VMP sampling event and the most recent quarterly sampling event of site monitoring wells showed dissolved phase petroleum contaminants were present in the groundwater above MDE cleanup standards, and the VMP results also detected vapor phase petroleum contaminants in the subsurface above their respective screening standards. The most recent gauging and EFR event was conducted on March 14, 2012 with LPH recovery from five monitoring wells totaling 272 gallons of liquid (groundwater and LPH) recovered.

Based on the January 17, 2012 VMP sampling results, further delineation of the petroleum contamination off-site is necessary. The following actions will be performed:

- Installation of off-site monitoring wells to further delineate petroleum impacts;
- Continued active remediation via EFR events to remove LPH; and
- Continued gauging and sampling of site monitoring wells.

At this time MDE continues to evaluate the risks to the subsurface from petroleum contamination and will direct or conduct sampling as deemed necessary to ensure community safety.

FUTURE UPDATES

- Postings on www.mde.state.md.us
- File available at the MDE Headquarters

CONTACTS

- Maryland Department of the Environment, Oil Control Program: 410-537-3442
- Baltimore County Health Department: 410-887-2243

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.