



Maryland Department
of the Environment

FACTS ABOUT: FT. MEADE SHELL STATION

ENVIRONMENTAL INVESTIGATION FT. MEADE SHELL STATION 2631 ANNAPOLIS ROAD, HANOVER ANNE ARUNDEL COUNTY, MARYLAND MDE CASE NO. 2013-0321-AA (OPEN)

SITE LOCATION

The Maryland Department of the Environment Oil Control Program (MDE-OCP), in coordination with the Anne Arundel County Department of Health, is evaluating the impacts of petroleum constituents at the Fort Meade Shell Station, located at 2631 Annapolis Road. This location has supported an active gasoline retail station since at least 1983, when four fiberglass underground storage tank (UST) systems, the current generation of USTs, were installed. In 1986, the USTs were originally registered and operated by Texaco Refining and Marketing, Inc. The 1,000-gallon heating oil UST was removed from the site in 1989. The site has Stage I and Stage II vapor recovery systems. The piping is comprised of fiberglass reinforced plastic. In 1997, the UST systems were registered by Star Enterprise, an independent operator. In 1999, the UST systems were registered by Motiva Enterprises, LLC. In March 2001, the site was purchased from Motiva Enterprises, LLC and the USTs were registered by Southern Maryland Oil, Inc. (SMO) who is the current property and UST system owner. Currently, there are three groundwater monitoring wells and three tank field monitoring pipes located on-site. Depth to groundwater is approximately 26 feet below ground surface. The site is served by a private drinking water supply well and the surrounding mixed use commercial/residential area is served by private wells and public water systems.

SITE HISTORY

On November 27, 2012, the MDE-OCP received notification that a 10,000-gallon fiberglass gasoline UST failed tightness testing, indicating a possible release at the subject property. The UST was emptied and removed from service on November 28, 2012. A review of the UST's inventory records indicates a possible release of up to 100 gallons of gasoline. In January 2013, MDE-OCP received notification that dissolved phase hydrocarbons had been detected in samples from two existing site monitoring wells (maximum levels of benzene at 2,900 parts per billion [ppb]; methyl tertiary-butyl ether [MTBE] at 61 ppb; total petroleum hydrocarbon-gasoline range organics [TPH-GRO] at 9.9 parts per million [ppm]; and TPH-diesel range organics [DRO] at 0.35 ppm).



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ENVIRONMENTAL INVESTIGATIONS AND ACTIONS

In January 2013, the MDE-OCP approved a work plan submittal by SMO to conduct a subsurface investigation to delineate the horizontal and vertical extent of petroleum impacts. The MDE-OCP also required SMO to sample select drinking water supply wells located in close proximity to the site. The MDE-OCP will oversee the release response until SMO has properly assessed the release and any identified unacceptable petroleum impacts have been mitigated.

CURRENT STATUS

In January 2013, the MDE-OCP, in conjunction with the Anne Arundel County Department of Health, issued a notification letter to property owners within a half-mile radius of the site in response to high-risk groundwater use area notification requirements. The subsurface investigation will be conducted by SMO during the first quarter of 2013. Additional assessment or remediation requirements, if needed, will be based on the findings of the required site assessment activities.

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
- Anne Arundel County Department of Health: 410-222-7024
- Southern Maryland Oil, Inc.: 301-932-3671

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 in 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.