



Maryland
Department of
the Environment

FACTS ABOUT: 26463 Urbana Fuel and Treat

GROUNDWATER INVESTIGATION 26463 URBANA FUEL AND TREAT (SUNOCO) 8816 FINGERBOARD ROAD, URBANA FREDERICK COUNTY, MARYLAND OCP CASE NO. 2019-0473-FR

SITE LOCATION

The Maryland Department of the Environment's (the Department) Oil Control Program (OCP) received notification of elevated petroleum-related compounds in the groundwater at this facility. This location has supported gasoline retail activities since the 1970s. The current underground storage tank (UST) system is comprised of two 15,000-gallon double-walled, fiberglass-reinforced plastic gasoline USTs and one double-walled, fiberglass-reinforced plastic 20,000-gallon split (diesel and gasoline) UST. All associated product lines are double-walled, fiberglass-reinforced plastic.

SITE HISTORY

Petroleum-related impacts to groundwater were first identified at the site in the late 1970s when the Frederick County Health Department collected routine water samples from the on-site supply well and discovered bacterial contamination and dissolved petroleum concentrations, including benzene at 6,000 parts per billion (ppb). The on-site well was subsequently replaced. In September 2005, the OCP was made aware of environmental impacts at the former Exxon station following receipt of sampling results from four monitoring wells that were installed to comply with Code of Maryland Regulations (COMAR) 26.10.02.03-4. Methyl tertiary-butyl ether (MTBE) contamination was detected in the four monitoring wells at concentrations ranging from 2.5 to 71,200 ppb. The impacts in two of the four wells exceeded the State's MTBE 20 ppb groundwater standard. Required notification related to the finding was issued by the Department to nearby residents in correspondence dated June 1, 2007. Additional assessment and remediation activities were performed under OCP Closed Case No.2006-0245-FR. The petroleum-related impacts to groundwater declined over time and the case was closed in June 2017.

The Department required the site to continue annual monitoring under the high-risk groundwater usage area (HRGUA) requirements for continued compliance with COMAR 26.10.02.03-4. Four monitoring wells and the on-site potable supply well have been sampled annually since 2015 and all results through 2017 have been in compliance with regulatory standards.



ENVIRONMENTAL INVESTIGATION AND ACTIONS

On January 28, 2019, the Department reviewed the *2018 Annual Groundwater Monitoring Report* (received January 23, 2019) and identified an uncharacteristic increase in petroleum constituent concentrations in groundwater samples collected from monitoring wells MW-2 and MW-9 and elevated photo-ionization detector (PID) readings from field screening of vapors in three tank field monitoring pipes. The groundwater samples, which had been collected on October 31, 2018, reported detections of benzene at concentrations of 370 ppb in MW-2 and 160 ppb in MW-9, which exceed the 5 ppb standard. MTBE was also detected at concentrations of 120 ppb in MW-2 and 31 ppb in MW-9, which exceed the 20 ppb standard. Sampling results from the on-site drinking water supply well and the other two monitoring wells were in compliance with regulatory standards. Confirmation samples were collected from MW-2 and MW-9 on January 29, 2019 and the results confirmed the presence of benzene at a concentration of 500 ppb and MTBE at a concentration of 140 ppb in MW-2. The results for monitoring well MW-9 were non-detect for all volatile organic compounds (VOCs) analyzed.

CURRENT STATUS

Based on the recent detections of benzene and MTBE above regulatory standards, Sunoco, LLC will be directed to complete a half-mile well survey, perform sampling of the monitoring well network on a more frequent basis, and continue annual HRGUA sampling of the on-site potable water supply well. The Department will make additional requirements, as warranted, based on the ongoing investigation results.

FUTURE UPDATES

- Postings available on www.mde.maryland.gov
- File available at the Department's headquarters in Baltimore.

CONTACTS

- Oil Control Program: 410-537-3442 or 1-800-633-6101, ext. 3482
- Frederick County Health Department: 301-600-1719
- UST Owner – Sunoco, LLC: 610-833-3761
- UST Operator – Southside Oil, LLC: 804-706-4702

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 the Department. To fully understand the site and surrounding environmental conditions, the Department recommends that the reader review the case file, which can be requested 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 the Department on liability, involvement in a wrongful act, or contribution to environmental damage.