



Maryland
Department of
the Environment

Groundwater Investigation

Taylorsville 7-Eleven #28924

The Maryland Department of the Environment's (MDE) Oil Control Program (OCP) received notification of petroleum constituents in the groundwater and is currently evaluating this notification for 7-Eleven #28924, located at 4213 Ridge Road in Westminster. This facility is owned and operated by 7-Eleven, Inc., and has been an active gasoline retail station under various ownership since 1986. The OCP is monitoring this facility under Case No. 2025-0072-CL.

Site Location

The facility is located in a high risk groundwater use area (HRGUA). The facility has two active 20,000-gallon underground storage tank (UST) at the site, installed in July 2015. One 20,000-gallon UST stores gasohol and one 20,000-gallon UST consists of two compartments, one 12,000-gallon compartment storing diesel and one 8,000-gallon compartment storing gasohol. The USTs are double-walled fiberglass and are equipped with double-walled flexible plastic piping. Currently, five groundwater monitoring wells and a transient non-community drinking water supply well are located on the site.

Site History

The facility was operated as High's and then 7-Eleven. Case No. 1987-0791-CL was opened in 1987 in response to a detection of methyl tert-butyl ether (MTBE) at a concentration of 1,480 parts per billion (ppb) in the facility's transient non-community drinking water supply well. The sampling was collected by Carroll County Health Department. OCP opened a groundwater investigation to investigate this facility and other potential sources in the area. At this facility, a pump and treat remediation system operated from 1994 to 2000, and a soil vapor extraction (SVE) remediation system operated from 1994 to 2008. In-situ Submerged Oxygen Curtain (iSOC) systems operated from 2003 to 2007. Various off-site commercial and residential properties were sampled throughout the duration of this case. In 2007, a notification letter was mailed to residents within ¼ mile of the facility. Case No. 1987-0791-CL was closed in 2009, and all on-site monitoring wells and recovery wells were properly abandoned, except for R-MW-1, RW-2, and MW-3, which were retained for the purposes of HRGUA annual monitoring.

In 2015, four 8,000-gallon cathodically protected steel USTs were removed. The two active 20,000-gallon USTs were installed along with two tank field monitoring pipes (TFMPs). HRGUA regulations require UST systems installed in HRGUAs to have four TFMPs. Two additional monitoring wells, labeled as tank field monitoring wells (TFMW-1 and TFMW-2) were installed in 2019 to achieve compliance.



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Environmental Investigations and Actions

On July 30, 2024, MDE received a sampling report showing the detection of dissolved phase petroleum-related compounds in monitoring wells RW-2 and TFMW-2. Benzene was reported at a concentration of 71.9 ppb in RW-2 and 12.7 ppb in TFMW-2, which exceed the notification level of 5 ppb for benzene specified in § 4-411.2 of the Environment Article, Annotated Code of Maryland. MTBE was reported at a concentration of 79.2 ppb in RW-2, which exceeds the notification level of 20 ppb for MTBE. In response to the above detections, MDE required the collection of confirmation samples from RW-2 and TFMW-2, which were collected on August 5, 2024. Benzene was confirmed at concentrations of 20.5 ppb in RW-2 and 145 ppb in TFMW-2. MTBE was confirmed at a concentration of 86.1 ppb in RW-2.

Current Status

MDE is working with the Carroll County Health Department to notify property owners within one-half mile of the site, as required by state law. MDE will require 7-Eleven, Inc. to collect samples from selected adjacent properties. Once sampling results are obtained, MDE will evaluate the need for additional actions to ensure protection of human health and the environment.

Future Updates

Postings available: <https://mde.maryland.gov/programs/land/OilControl/Pages/remediationsites.aspx>.

File available at MDE's headquarters in Baltimore.

CONTACTS

Oil Control Program: 410-537-3442 or 1-800-633-6101, ext. 3442

Carroll County Health Department: 410-876-2152

7-Eleven: 410-875-2251

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, 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 MDE on liability, involvement in a wrongful act, or contribution to environmental damage.