



August 23, 2024

CERTIFIED MAIL

RE: INFORMATIONAL NOTIFICATION LETTER
Case No. 2025-0072-CL
7-Eleven, Inc. #28924
4213 Ridge Road, Westminster
Carroll County, Maryland
Facility I.D. No. 1440

Dear Property Owner:

As a property owner within 0.5 mile of the subject property (see enclosed map), the Maryland Department of the Environment (MDE) is providing this notice to you in compliance with § 4-411.2 of the Environment Article, Annotated Code of Maryland. The intent of this letter is to notify you that petroleum-related compounds were detected in a groundwater sample collected from a monitoring well at the above-referenced property at a concentration exceeding the statutory notification level.

On June 19, 2024, benzene was detected at a concentration of 71.9 parts per billion (ppb) in a sample collected from monitoring well RW-2, and a concentration of 12.7 ppb in a sample collected from monitoring well TFMW-2, which exceed the established notification level of 5 ppb for benzene. In the sample collected from RW-2, methyl tert-butyl ether (MTBE) was detected at a concentration of 79.2 ppb, which exceeds the established 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. On August 5, 2024, the confirmation samples were collected. 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.

MDE is working with the Carroll County Health Department (CCHD) to evaluate risks to the community. As a precaution, MDE will require 7-Eleven, Inc. to collect samples from selected adjacent properties. MDE will contact the property owners selected for sampling to provide advanced notice that 7-Eleven, Inc. will request access for water supply sampling. Once results from the pending select water supply sampling are received, MDE will evaluate the results to determine if additional sampling or other actions are warranted. In addition, MDE is requiring additional sampling of the on-site monitoring wells and will continue to monitor the station to ensure protection of the community health and safety.

If your property is served by a private supply well, you may elect to have your well water tested by a private laboratory. Your decision should be based on the proximity of your well to the station and

whether you have noticed any change in the taste or odor of your well water. For your convenience, enclosed is a list of private laboratories that can assist you should you decide to have your well water tested. The recommended test to request is U.S. Environmental Protection Agency (EPA) Method 524.2 for full-suite volatile organic compounds (VOCs), including fuel oxygenates and naphthalene. Samples should be collected by a certified sampler and prior to the water passing through any treatment device.

A project Fact Sheet has been prepared to provide information regarding the site (enclosed). The Fact Sheet and other documents related to the investigation will be posted to the OCP webpage: mde.maryland.gov/programs/LAND/OilControl/Pages/remediationsites.aspx.

If you have any questions, please contact Ms. Lindley Campbell, at 410-537-3387 or lindley.campbell1@maryland.gov.

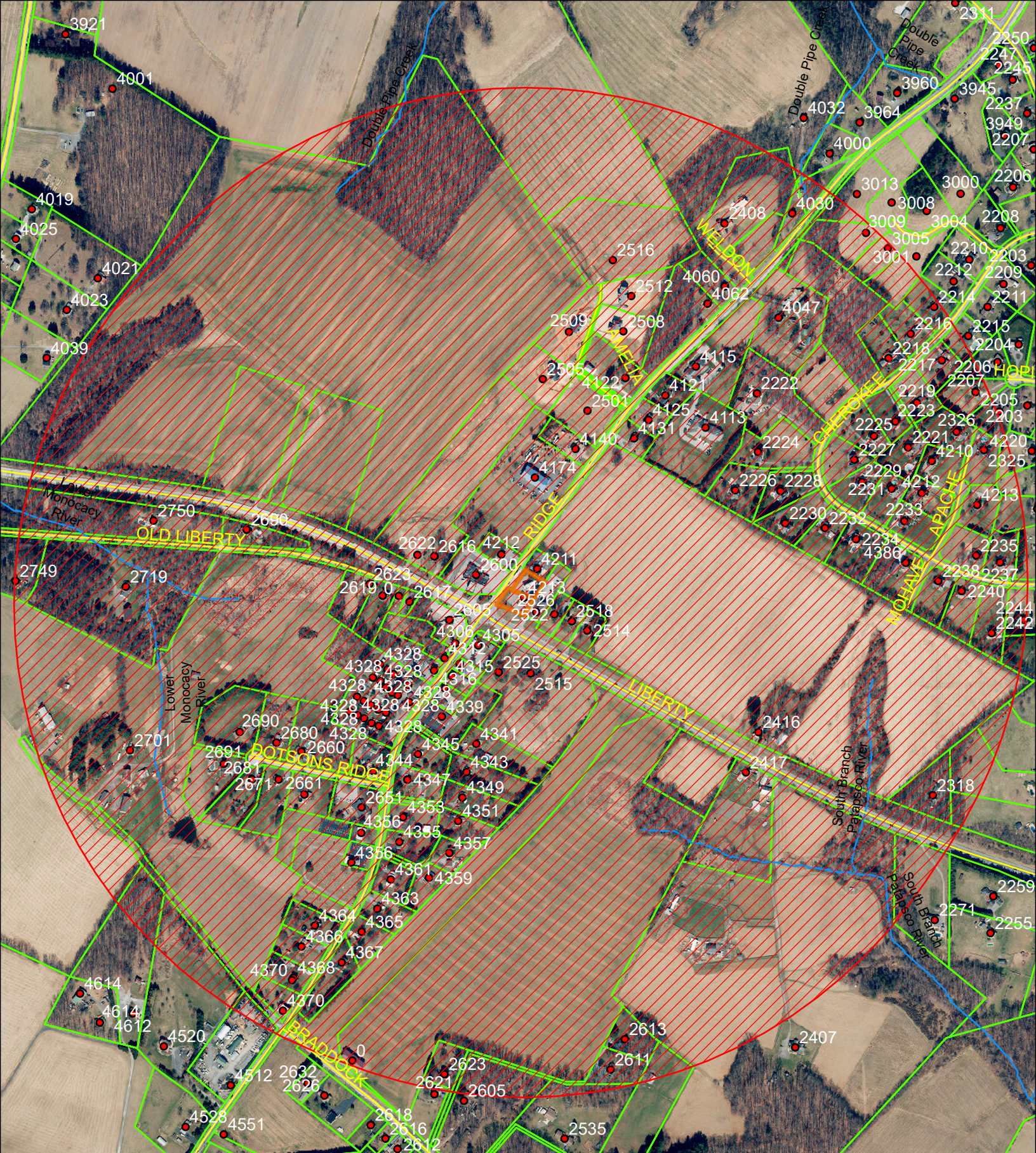
Sincerely,



Christopher H. Ralston, Program Manager
Oil Control Program

Enclosures: Map
Fact Sheet
Testing Laboratory List

cc: Mr. David Arnette, 7-Eleven, Inc.
Ms. Rachael Allen, AECOM
Mr. Richard Brace, Deputy Director of Wells and Septic, Carroll County Health Dept.
Mr. Robert Peoples, Division Chief, Source Protection & Admin. Div., Water Supply Program, MDE
Ms. Marsha Mason, Supervisor, Compliance Division, Oil Control Program
Mr. Thomas L. Walter, Division Chief, Compliance Division, Oil Control Program
Ms. Lindley Campbell, Case Manager, Remediation Division, Oil Control Program
Mr. Jim Richmond, Supervisor, Remediation Division, Oil Control Program
Mrs. Susan Bull, Division Chief, Remediation Division, Oil Control Program



Legend

- 0.5-Mile Radius
- Streams
- Property Address
- Property Outline
- Roads

**Notification Boundary
4213 Ridge Road**





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.

Environmental Investigations and Actions



Maryland
Department of
the Environment

Groundwater Investigation

Taylorsville 7-Eleven #28924

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.



Maryland-Certified Laboratories for the Sampling of Petroleum-Related Compounds in Private Supply Wells

The following list of laboratories has been compiled to assist property owners in finding Maryland-certified laboratories to collect and/or analyze drinking water samples for the purpose of testing for petroleum hydrocarbons. This list was prepared by the Maryland Department of the Environment (MDE) from information known and available at the time of preparation. MDE makes no claim as to its completeness, or to the quality of work performed. Inclusion on this list is not to be considered an endorsement by the State of Maryland. MDE strongly recommends that the consumer obtain prices and review company references before entering into agreements with any contractors or service providers.

Recommended Test Methods

EPA Method 524.2 is the recommended method for laboratory analysis of groundwater samples collected from drinking water supply wells. EPA Method 524.2 encompasses a wide range of VOCs including petroleum hydrocarbons such as benzene, toluene, ethylbenzene, and xylene (BTEX), fuel oxygenates (e.g., methyl tertiary butyl ether [MTBE]), and naphthalene.

EPA Method 8015(c) is the recommended method for laboratory analysis of groundwater samples collected from drinking water supply wells for total petroleum hydrocarbons – diesel range organics (TPH-DRO). It is important when contracting a laboratory to collect and/or analyze for EPA Method 8015(c) that you ensure the laboratory is capable of analyzing the sample to the drinking water standard of 47 parts per billion (ppb) (which can also be stated as micrograms per liter or ug/L).

Maryland Certified Labs

Advanced Environmental Concepts, Inc.

1751 Pulaski Hwy.
Havre de Grace, Maryland 21078
410-939-5550

Caliber Analytical Services, LLC

8851 Orchard Tree Lane
Towson, Maryland 21286
410-220-5212

Maryland Spectral Services, Inc.

1500 Caton Center Drive, Suite G
Baltimore, Maryland 21227
410-247-7600

Phase Separation Science, Inc.

6630 Baltimore National Pike
Baltimore, Maryland 21228
410-747-8770



Maryland
Department of
the Environment

Maryland-Certified Laboratories for the Sampling of Petroleum-Related Compounds in Private Supply Wells

Fredericktowne Lab, Inc.*

3020 Suite A Ventrue Court
Myersville, Maryland 21773
301-293-3340

Fountain Valley Analytical Laboratory, Inc.*

1413 Old Taneytown Road
Westminster, Maryland 21158
410-848-1014

Martel Laboratories JDS, Inc.

1025 Cromwell Bridge Road
Baltimore, Maryland 21286
410-825-7790

** MDE Certified samplers are available to collect water samples, VOC analysis is subcontracted to another lab*

Questions

If you have additional questions or to report a detection of petroleum compounds in your drinking water, please contact the Oil Control Program at 410-537-3442.