Maryland
Department of
the Environment

FACTS ABOUT:
PIPER'S WINE & SPIRITS BARN

GROUNDWATER INVESTIGATION
PIPER'S WINE & SPIRIT BARN
4127 HANOVER PIKE, MANCHESTER
CARROLL COUNTY, MARYLAND
OCP CASE NO. 2018-0496-CL (OPEN)
OCP CASE NO. 2008-0610-CL (CLOSED)

SITE LOCATION

The Maryland Department of the Environment's (the Department) Oil Control Program (OCP) received notification of an elevated petroleum-related compound in the groundwater at this facility. This location has supported gasoline retail activities since 1986 when four underground storage tank (UST) systems were installed: three 8,000-gallon gasohol and one 8,000-gallon diesel. An additional 8,000-gallon diesel UST was installed in 1989. All five USTs are catholically protected steel tanks with double-walled, flexible plastic product piping. The site is equipped with Stage I and Stage II vapor recovery systems. Currently, three groundwater monitoring wells and one transient non-community drinking water supply well are located on site.

SITE HISTORY

In August 2007, the MDE-OCP was made aware of petroleum related environmental impacts at Piper's Wine & Spirit Barn based on groundwater sampling results from the three newly installed monitoring wells. The wells were installed pursuant to Code of Maryland Regulations (COMAR) 26.10.02.03-4. Methyl tertiary-butyl ether (MTBE) was detected in monitoring well MW-3 at a concentration of 45 parts per billion (ppb), which exceeded the 20 ppb regulatory standard. The OCP opened Case No. 2008-0610-CL in response to the findings. Subsequent periodic sampling performed in 2008 and 2009 documented a decline in MW-3 MTBE concentrations to 2.4 ppb and Case No. 2008-0610-CL was closed. In accordance with Department regulations, the three wells have been sampled annually since 2009 and all results through 2017 have been in compliance with regulatory standards.

ENVIRONMENTAL INVESTIGATION AND ACTIONS

On March 28, 2018, the Department received notification that a petroleum-related compound was again detected in a groundwater sample collected from monitoring well MW-3. A sample collected on March 16, 2018, reported a detection of benzene at a concentration of 11.4 ppb, which exceeds the benzene regulatory standard of 5 ppb. Sampling results from the other two monitoring wells

were in compliance with regulatory standards. A confirmation sample was collected from MW-3 on March 29, 2018, and the results confirmed the presence of benzene at a concentration of 12.3 ppb. The on-site drinking water supply well was sampled on March 30, 2018. The analytical results did not detect any petroleum-related compounds above laboratory detection limits. All historic on-site water supply well sample results have reported the absence of petroleum-related compounds.

CURRENT STATUS

Based on the March 2018 detection of benzene above the regulatory standard, the UST owner, Chenoweth & Associates, Inc., will be directed to complete a half-mile well survey, perform periodic confirmation sampling of the monitoring well network, and continue annual sampling of the on-site water supply well.

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. 3442
- Carroll County Health Department: 410-876-4972
- Chenoweth & Associates, Inc.: 410-239-3922

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.