



Maryland

Department of
the Environment

Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor

Ben Grumbles, Secretary
Horacio Tablada, Deputy Secretary

April 9, 2018

CERTIFIED MAIL

RE: INFORMATIONAL NOTIFICATION LETTER

Case No. 2018-0496-CL

Piper's Wine & Spirit Barn

4127 Hanover Pike, Manchester

Carroll County, Maryland

Facility I.D. No. 17166

Dear Resident or Property Owner:

This letter is provided in compliance with Section 4-411.2 of the Environment Article, Annotated Code of Maryland. The intent of this letter is to notify you that a petroleum-related compound has been detected in a groundwater monitoring well sample at the above-referenced property at a concentration exceeding the statutory notification level. As a property owner within 0.5-mile of the subject property (see enclosed map), notification is required to be sent to you to provide information about the detection at the referenced service station.

On March 28, 2018, the Maryland Department of the Environment's (the Department) Oil Control Program received notification that a dissolved phase petroleum-related compound was detected in a groundwater sample collected from the Piper's Wine & Spirit Barn property. The sample was collected from monitoring well MW-3 on March 16, 2018. The petroleum-related compound, benzene, was detected at a concentration of 11.4 parts per billion (ppb), which exceeds the benzene notification standard of 5 ppb. The Department required the collection of a confirmation sample from MW-3, which was performed on March 29, 2018. Results from the confirmation sample reported a benzene concentration of 12.3 ppb. The two other monitoring wells were also sampled on March 16, 2018, and the results were either non-detect or below regulatory reporting standards. The on-site drinking water supply well was sampled on March 30, 2018, and the analytical results did not detect any petroleum-related compounds above laboratory detection limits.

In response to the detection of benzene, the Department opened a groundwater investigation case for the Piper's Wine & Spirit Barn. The Department has informed the Carroll County Health Department of this detection and of the opened investigation. The Department is working with the Carroll County Health Department to evaluate potential risks to the community. At this time, there is no indication that the contamination has migrated beyond the study area. The Department does not believe there is an immediate health risk to the community and will continue to oversee the groundwater investigation.

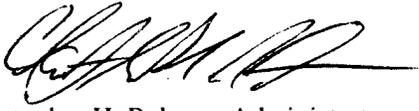
If your property is served by an individual drinking water supply well, you may elect to have your well water tested by a private laboratory. Your decision should be based on the proximity of your well to the source of the contamination and whether or not you have noticed any change in the taste or odor 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 privately. The recommended test to request is U.S. 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.

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A project Fact Sheet has been prepared to provide information regarding the groundwater investigation at the site (copy enclosed). The Fact Sheet will be updated periodically as the case progresses. The Fact Sheet and other documents related to the investigation will be posted to the Oil Control Program's Remediation Sites internet page:
<http://mde.maryland.gov/programs/LAND/OilControl/Pages/remediationsites.aspx>.

If you have any questions, please contact the case manager, Mr. Matthew Mueller, at 410-537-3574 (email: matthew.mueller@maryland.gov) or Ms. Ellen Jackson, Northern Region Supervisor, at 410-537-3482 (email: ellen.jackson@maryland.gov).

Sincerely,



Christopher H. Ralston, Administrator
Oil Control Program

EJ/nln

Enclosures: Half-Mile Radius Map
Fact Sheet - Piper's Wine & Spirits Barn
Testing Laboratory List

cc: Mr. William Chenoweth (Chenoweth & Associates, Inc.)
Mr. Leigh Broderick (Carroll County Health Dept.)
Mr. Andrew B. Miller
Ms. Hilary Miller

Piper's Wine and Spirits Half Mile Radius



0 0.125 0.25 0.5 0.75 1 Miles

**Created by: Richard Brace LEHS
April 2, 2018
Carroll County Health Department**

Legend	
★	4127 Hanover Pike Pipers Wine and Spirits
•	Addresses within a half mile
□	One Half Mile Line
•	Address



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 gasoline and one 8,000-gallon diesel. An additional 8,000-gallon diesel UST was installed in 1989. All five USTs are cathodically 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.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Land and Materials Administration • Oil Control Program

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410-537-3442 • 800-633-6101 x3442 • www.mde.maryland.gov

The laboratories listed below are capable of analyzing samples for the purpose of testing for petroleum hydrocarbons. You are encouraged to fully discuss with the company you select the issues associated with sampling for fuel oxygenates, such as methyl tertiary-butyl ether (MTBE), tertiary-amyl methyl ether (TAME), diisopropyl ether (DIPE), and tertiary-butyl alcohol (TBA).

Please note EPA Method 524.2 is the recommended method for laboratory analysis of groundwater samples collected from domestic wells since petroleum compounds of concern can be detected at very low levels using this specific method. EPA Method 524.2 encompasses a wide range of petroleum hydrocarbons such as benzene, toluene, ethylbenzene, and xylene (BTEX), in addition to fuel oxygenates such as MTBE.

Companies with an asterisk (*) have notified the Oil Control Program that they are prepared to either test for the suite of common fuel oxygenates following the U.S. EPA's validated analytical methods for common fuel oxygenates or they have taken the necessary alternative steps to determine the levels of fuel oxygenates in water and soil. Contact these companies to be fully informed of the sample preservation method they require prior to your sampling event. For more information, access EPA's Underground Storage Tank Fact Sheet – Analytical Methodologies for Fuel Oxygenates at www.epa.gov/oust/mtbe/omethods.pdf.

The Maryland Department of the Environment assembled this list from the best available information at the time of preparation. The Department makes no claim as to the list's completeness or to the quality of work performed by these laboratories. Inclusion on this list is not to be considered an endorsement by the State of Maryland. (Amended 6/2/2016)

Company	Address	City, State, and Zip	Telephone
Anne Arundel County:			
ECS Mid-Atlantic, LLC	1340 Charwood Road, Suite A	Hanover MD 21076	410-859-4300
Baltimore City/County:			
Caliber Analytical Services, LLC*	8851 Orchard Tree Lane	Towson MD 21286	410-825-1151
Enviro-Chem Laboratories, Inc.	47 Loveton Circle, Suite K	Sparks MD 21152	410-472-1112
Federated Environmental Assoc., Inc. analyze and collect	1314 Bedford Ave., Suite 102	Pikesville MD 21208	410-653-8434
Martel Laboratories JDS, Inc.*	1025 Cromwell Bridge Road	Baltimore MD 21286	410-825-7790
Maryland Spectral Services, Inc.*	1500 Caton Center Drive, Suite G	Halethorpe MD 21227	410-247-7600
Microbac Laboratories, Inc.*	2101 Van Deman Street	Baltimore MD 21224	410-633-1800
Montebello Water Quality Laboratory	3901 Hillen Road	Baltimore MD 21218	410-396-6040
Penniman & Browne, Inc.	6252 Falls Road	Baltimore MD 21209	410-825-4131
Phase Separation Science, Inc.*	6630 Baltimore National Pike	Catonsville MD 21228	410-747-8770
Trace Laboratories, Inc.*	5 North Park Drive	Hunt Valley MD 21030	410-584-9099

Company	Address	City, State, and Zip	Telephone
Carroll County:			
Fountain Valley Analytical Lab., Inc.	1413 Old Taneytown Road	Westminster MD 21158	410-848-1014
Charles County:			
Science Applications International Corp.	1129 Business Parkway S. Ste. 10	Westminster MD 21157	410-876-0280
Frederick County:			
ECS Mid-Atlantic, LLC	5112 Pegasus Court, Ste S	Frederick MD 21704	301-668-4303
Fredericktowne Lab, Inc.	3020 Ventrue Court	Myersville MD 21773	301-293-3340
GPL Laboratories, LLLP	7210A Corporate Court	Frederick MD 21703	301-694-5310
Harford County:			
Aardvark Water Testing Laboratory, Inc.	260 Gateway Drive, Suite 3A	Bel Air MD 21014	410-893-5257
Advanced Environmental Concepts, Inc.	1751 Pulaski Highway	Havre de Grace MD 21078	410-939-5550
ECS Mid-Atlantic, LLC	1202 Technology Drive, Suite D	Aberdeen MD 21001	410-297-8108
Howard County:			
Analytical Laboratory Services, Inc.	8965 Guilford Road, Suite 100	Columbia MD 21046	410-290-8884
Envirosystems, Inc.	9200 Rumsey Road, Suite B102	Columbia MD 21045	410-964-0330
GP Strategies	6095 Marshalee Drive, Suite 300	Elkridge MD 21075	410-379-3600
Montgomery County:			
Anabell Environmental, Inc.	8648 Dakota Drive	Gaithersburg MD 20877	301-548-9425
Environmental Management Services Inc.	1688 East Gude Drive, Suite 301	Rockville MD 20850	301-309-0475
Prince George's County:			
ECS Mid-Atlantic, LLC	6710 Oxon Hill Road, Suite 101	National Harbor MD 20745	301-645-6472
Queen Anne's County:			
Chesapeake Environmental Lab, Inc. (analyzes and collects)	P.O. Box 946	Stevensville MD 21666	410-643-0800 1-800-300-TEST
Wicomico County:			
Water Testing Labs of MD, Inc.	113 High Street	Salisbury MD 21801	410-546-1318