Maryland
Department of
the Environment

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

Ben Grumbles, Secretary
Horacio Tablada, Deputy Secretary

April 26, 2018

CERTIFIED MAIL

RE: INFORMATIONAL NOTIFICATION LETTER
Case No. 2018-0459-HA
Colonial Pipeline Company – Bel Air Station
2942 Charles Street, Fallston
Harford County, Maryland

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 facility.

On March 7, 2018, Colonial Pipeline Company (Colonial) reported to the Maryland Department of the Environment (the Department) that a release of oil occurred at the site, which was discovered during a routine facility inspection. Emergency recovery of liquid phase hydrocarbons (LPH) and petroleum impacted soil and water began the same day. Investigation of the cause of the release found two corrosion perforations on the 20-inch alternate discharge line, which were repaired on March 8, 2018. On March 12, 2018, a subsurface investigation was initiated to characterize the extent of petroleum impacts at the site. As part of that investigation, six groundwater monitoring wells were installed, which were sampled on April 4, 2018.

On April 13, 2018, the Department received notification that a petroleum-related compound was detected in the groundwater sample collected from monitoring well MW-2. The analytical results reported a detection of benzene at a concentration of 11 parts per billion (ppb), which exceeds the benzene notification standard of 5 ppb. The sampling results for the other five monitoring wells were found to be non-detect or below regulatory levels for petroleum-related compounds. A confirmatory sample was collected from MW-2 on April 16, 2018, and the results confirmed the presence of benzene at a concentration of 59 ppb.

On March 16, 2018, an environmental contractor collected samples from private supply wells located on ten properties adjacent to the Colonial facility. Personnel from the Oil Control Program and the Harford County Health Department oversaw the collection of the private supply well samples. All of the private supply well sampling results were non-detect for petroleum-related compounds.

In response to the detection of benzene, the Department opened a groundwater investigation case for the Colonial Pipeline – Bel Air Station. The Department has informed the Harford County Health Department of this detection and of the opened investigation. Both agencies are working together to evaluate potential risks to the community. At this time, the Department does not believe there is an immediate health risk to the community and will continue to oversee the groundwater investigation and cleanup.

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 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. 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 collected from a location prior to the water passing through any treatment device.

A project fact sheet has been prepared to provide information regarding the groundwater investigation at the site (copy enclosed). The fact sheet may 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 Ms. Susan Bull, Eastern Region Supervisor, at 410-537-3499 (email: susan.bull@maryland.gov) or Mr. Drew Miller, Remediation Division Chief, at 410-537-3389 (email: andrew.miller@maryland.gov).

Sincerely,

Christopher H. Ralston, Administrator
Oil Control Program

SRB/nln

Enclosures: Half-Mile Radius Map
Fact Sheet – Colonial Pipeline Bel Air Station
Testing Laboratory List

cc: Mr. Stanley Carpenter (Colonial Pipeline Company)
Dr. Russell W. Moy (Harford County Health Department)
Ms. Julie Mackert (Harford County Health Department)
Mr. Andrew B. Miller
Ms. Hilary Miller

Name	Number	Street Name	City	State	Zip	Mailing Address	
Stephen B and Darlene L Ramsey	2260	Baldwin Mill Rd	Fallston	MD	21047		
Chester A and Janet L Coughenour	2849	Charles St	Fallston	MD	21047		
John R Rist	2857	Charles St	Fallston	MD	21047		
Kristin Stock	2859	Charles St	Fallston	MD	21047		
Shawn A and Laura A Mooney	2861	Charles St	Fallston	MD	21047		
Rodney and Sandra O'Neal	2902	Charles St	Fallston	MD	21047	9702 Redwing Dr	Perry Hall MD 21128
Christopher and Mary Carol Jacob	2906	Charles St	Fallston	MD	21047		
Charles C Gast Jr and Mary F Gast	2912	Charles St	Fallston	MD	21047		
Gregory and Karen Reed	2918	Charles St	Fallston	MD	21047		
Francis D and Virginia N Riley	2922	Charles St	Fallston	MD	21047		
David H Kaminkow	2929	Charles St	Fallston	MD	21047		
Joseph T and Sandra L Kaminkow	2931	Charles St	Fallston	MD	21047		
Christopher and Kathryn Potter	2932	Charles St	Fallston	MD	21047		
Ryan and Alissa Hurlock	2935	Charles St	Fallston	MD	21047		
Richard A and Heather L Rasmussen	2936	Charles St	Fallston	MD	21047		
Stephen R Bailey and Rose M Kucharczyk	3001	Charles St	Fallston	MD	21047		
Jonathan N and Lisa M Kielek	3003	Charles St	Fallston	MD	21047		
Robert E Reese	3006	Charles St	Fallston	MD	21047		
Kelsey M Yoor	3007	Charles St	Fallston	MD	21047		
Harold L and Suzanne C Hannon	3012	Charles St	Fallston	MD	21047		
Stephen L and Katherine E Smith	3024	Charles St	Fallston	MD	21047		
Colin S and Rebecca J Smith	3026	Charles St	Fallston	MD	21047		
Platinum Construction Group	3029	Charles St	Fallston	MD	21047	PO Box 555	Fallston MD 21047
Mary E Dean	3040	Charles St	Fallston	MD	21047	PO Box 498	Fallston MD 21047
Rosanne Jeppi	3041	Charles St	Fallston	MD	21047		
Thomas M and Melissa C Burke	3044	Charles St	Fallston	MD	21047		
Andrew J Canapp	2225	Engle Rd	Fallston	MD	21047		
Kenneth J Hall and Sarah B Bubb	2229	Engle Rd	Fallston	MD	21047		
Anthony C and Debora A Honig	2235	Engle Rd	Fallston	MD	21047		
Joshua W Zielinski and Christina G Hall	2237	Engle Rd	Fallston	MD	21047		
Patricia E and Lisbeth L Fouse	2241	Engle Rd	Fallston	MD	21047		
Tana L Hope-Bogush	2243	Engle Rd	Fallston	MD	21047		
Lewis H Walker	2249	Engle Rd	Fallston	MD	21047		
Jerry F and Brenda Rush	2309	Kings Arms Dr	Fallston	MD	21047		
Ridgefield Farm Homeowners Assoc Inc	2605	Laurel Brook Rd	Fallston	MD	21047		
Ridgefield Farm Homeowners Assoc Inc	2607	Laurel Brook Rd	Fallston	MD	21047		

Baltimore Gas & Electric	Map 24	Parcel 0	Jarrettsville	MD	21084	PO Box 1475	Baltimore MD	21203
Kenneth H and Gloria Wren	3300	Pritchett Lane	Fallston	MD	21047			
William M and Tamara A Caggese	3301	Pritchett Lane	Fallston	MD	21047			
Anthony L and Michele A Nasco	3302	Pritchett Lane	Fallston	MD	21047			
Martin K and Kristen T Wilson	3303	Pritchett Lane	Fallston	MD	21047			
David J and Janet L Smith	3305	Pritchett Lane	Fallston	MD	21047			
David L Rogers Jr and Sheila M Rogers	3307	Pritchett Lane	Fallston	MD	21047			
Mark C Wilson	3309	Pritchett Lane	Fallston	MD	21047			
Richard T Curry Jr and Regina R Curry	2009	Rutledge Rd	Fallston	MD	21047			
Harold D and Rebecca J Beavers	2205	Rutledge Rd	Fallston	MD	21047	PO Box 502	Fallston MD	21047
David M and Sandra L Bran	2207	Rutledge Rd	Fallston	MD	21047			
Columbia Gas Transmission Corp	2220	Rutledge Rd	Fallston	MD	21047	PO Box 117	Columbus OH	43216
Mark R and Joan G Parris	2226	Rutledge Rd	Fallston	MD	21047			
Kenneth A and Pamela C Hornbeck	2230	Rutledge Rd	Fallston	MD	21047			
Neale R and James R Bierer	2238	Rutledge Rd	Fallston	MD	21047			
Trimble LLC	2301	Rutledge Rd	Fallston	MD	21047	3322 Hazelwood Dr	Fallston MD	21047
Trimble LLC	2307	Rutledge Rd	Fallston	MD	21047			
Donald R Lange	1918	Treeline Dr	Forest Hill	MD	21050			
Robert J and Kristina M Kraus	2004	Trout Farm Rd	Jarrettsville	MD	21047			
Charles E and Christine V Kief	2005	Trout Farm Rd	Jarrettsville	MD	21084			
Richard L and Jennifer R Ferrara	2006	Trout Farm Rd	Jarrettsville	MD	21047			
Brian D and Robin E Kelly	2007	Trout Farm Rd	Jarrettsville	MD	21084			
Joseph S and Risa L Pickle	2008	Trout Farm Rd	Jarrettsville	MD	21047			
Joseph S and Rebecca Papa	2009	Trout Farm Rd	Jarrettsville	MD	21084			
Bradford S and Barrie R Davis	2010	Trout Farm Rd	Jarrettsville	MD	21047			
Dennis J and Susan K Shaffer	2011	Trout Farm Rd	Jarrettsville	MD	21084			
William R Winterstein	2012	Trout Farm Rd	Jarrettsville	MD	21084			
Kevin J Kantor and Jeanine Upchurch	2013	Trout Farm Rd	Jarrettsville	MD	21084			
John C and Sara E Birkmire	2015	Trout Farm Rd	Jarrettsville	MD	21084			
Christopher D and Amy L Benson	2015	Twin Lakes Dr	Jarrettsville	MD	21084			
Ronald P and Mary E Napoli	2017	Twin Lakes Dr	Jarrettsville	MD	21084			
Kathleen A Roubal	2019	Twin Lakes Dr	Jarrettsville	MD	21084			
David A and Rosemarie Robinson	2020	Twin Lakes Dr	Jarrettsville	MD	21084			
Michael and Valerie Meola	2021	Twin Lakes Dr	Jarrettsville	MD	21084			
Owen Landis Jr and Katherine S Landis	2022	Twin Lakes Dr	Jarrettsville	MD	21084			
James C and Amy C Emge	2023	Twin Lakes Dr	Jarrettsville	MD	21084			

Date: 4/16/2018

Tax ID: 04-012054

N

0 285 570 1,140 1,710 2,280 Feet

1 inch = 1,000 feet

Harford County Health Department
120 S. Hays Street
Bel Air, MD 21014
Phone: 410-838-1500

Maryland
Department of
the Environment

FACTS ABOUT:

Colonial Pipeline – Bel Air Station

GROUNDWATER INVESTIGATION
COLONIAL PIPELINE – BEL AIR STATION
2942 CHARLES STREET, FALLSTON
HARFORD COUNTY, MARYLAND
OCP CASE NO. 2018-0459-HA (OPEN)

SITE LOCATION

The Colonial Pipeline – Bel Air Station (the site) has been a booster station for an interstate refined liquid petroleum pipeline since the mid-1960s. A pipeline booster station includes both aboveground and underground piping, controls, and related equipment. The underground steel pipelines are coated with a protective material and also have cathodic protection. The booster station pumps are used to move the liquid petroleum through the pipeline at a desired flow rate and pressure. The facility is not manned 24/7, but it is inspected on a regular schedule. The facility is served by a private supply well.

SITE HISTORY

The Maryland Department of the Environment's (the Department) Oil Control Program (OCP) received notification from the Colonial Pipeline Company (Colonial) that a release of diesel and kerosene had been observed during a routine facility inspection on March 7, 2018. An environmental spill response company was hired and the recovery of liquid phase hydrocarbons (LPH) and petroleum-impacted soil and water began on March 7, 2018. Investigation of the cause of the release found two corrosion perforations on the 20-inch diameter alternate discharge ("kick back") line, approximately 16 inches from the top line of the pipe. The perforations were repaired and the line was returned to service on March 8, 2018.

ENVIRONMENTAL INVESTIGATION AND ACTIONS

On March 12, 2018, an emergency subsurface investigation was initiated to characterize the extent of petroleum impacts at the site. The on-site private supply well was sampled on the same day and was non-detect for petroleum-related compounds. As part of the investigation, a total of 28 soil borings were advanced (17 hand-augured and 11 direct-push technology) at the site. Six groundwater monitoring wells were also installed around the perimeter of the site and sampled on April 4, 2018.

On March 16, 2018, an environmental contractor collected samples from 11 private supply wells located on ten properties adjacent to the site. Personnel from the OCP and the Harford County Health Department oversaw the collection of the drinking water samples. The results of the samples collected from the private supply wells did not reveal any petroleum-related impacts.

On April 13, 2018, the Department received notification that benzene was detected at a concentration of 11 parts per billion (ppb) in the sample from monitoring well MW-2. The sampling results for the other five monitoring wells were found to be non-detect or below regulatory levels for petroleum-related compounds. A confirmatory sample was collected from MW-2 on April 16, 2018. The results confirmed the presence of benzene at a concentration of 59 ppb. Because of the benzene detection, a half-mile notification was sent to property owners.

Colonial estimates that a total of 6,518 gallons of oil was released during this incident. As part of the initial emergency response, Colonial recovered 5,868 gallons of LPH and 5,276 gallons of petroleum-impacted water and excavated 89 cubic yards of oil-contaminated soil. Colonial excavated an additional 205 tons of oil-contaminated soil as part of a project to assess and repair protective coatings of underground piping structures potentially damaged by the oil release.

CURRENT STATUS

Colonial has been directed to complete a half-mile well survey and to begin quarterly sampling of the network of six monitoring wells, the on-site supply well, and the 11 private supply wells. Additional assessment, remediation, and monitoring decisions may be evaluated as more data becomes available.

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
- Harford County Health Department: 410-877-2300
- Colonial Pipeline Company Bel Air Station Call Center: 888-840-0213

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
1800 Washington Boulevard • Suite 620 • Baltimore Maryland 21230-1719
410-537-3442 • 800-633-6101 x3442 • 410-537-3092 (fax) • www.mde.maryland.gov

LABORATORIES

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 that EPA Method 524.2 is the recommended method for laboratory analysis of groundwater samples collected from drinking water supply 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. Please note that you should verify with each laboratory if they are certified in Maryland to collect drinking water samples.

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.

Aardvark Water Testing Laboratory, Inc.*
260 Gateway Drive, Suite 3A
Bel Air, Maryland 21014
410-893-5257

Anabell Environmental, Inc.*
8648 Dakota Drive
Gaithersburg, Maryland 20877
301-548-9425

Analytical Laboratory Services, Inc.*
8965 Guilford Road, Suite 100
Columbia, Maryland 21046
410-290-8884

Caliber Analytical Services, LLC*
8851 Orchard Tree Lane
Towson, Maryland 21286
410-825-1151

Chemtech
284 Sheffield Street
Mountainside New Jersey 07092
908-728-3142

Chesapeake Environmental Lab, Inc.
P.O. Box 946
Stevensville Maryland 21666
410-643-0800
1-800-300-TEST

ECS Mid-Atlantic, LLC
1340 Charwood Road, Suite P
Hanover, Maryland 21076
410-859-4300

Enviro-Chem Laboratories, Inc.
47 Loveton Circle, Suite K
Sparks, Maryland 21152
410-472-1112

Date: September 17, 2015
TTY Users: 800-735-2258

Environmental Management Services, Inc.
1688 East Gude Drive, Suite 301
Rockville, Maryland 20850
301-309-0475

Envirosystems, Inc.
9200 Rumsey Road, Suite B102
Columbia, Maryland 21045-1934
410-964-0330

Federated Environmental Assoc., Inc.
1314 Bedford Avenue
Baltimore, Maryland 21208
410-653-8434

Fountain Valley Analytical Laboratory, Inc.
1413 Old Taneytown Road
Westminster, Maryland 21158
410-848-1014

Fredericktowne Lab, Inc.*
3039-C Ventrie Court, P.O. Box 244
Myersville, Maryland 21773
301-293-3340

GPL Laboratories, LLLP
7210 Corporate Court, Suite A
Frederick, Maryland 21703
301-694-5310

Martel Laboratories JDS, Inc.*
1025 Cromwell Bridge Road
Baltimore, Maryland 21204
410-825-7790

Maryland Spectral Services, Inc.*
1500 Caton Center Drive, Suite G
Baltimore, Maryland 21227
410-247-7600

Microbac Laboratories, Inc.*
2101 Van Deman Street
Baltimore, Maryland 21224-6697
410-633-1800

Penniman & Browne, Inc.
6252 Falls Road
Baltimore, Maryland 21209
410-825-4131

Phase Separation Science, Inc.*
6630 Baltimore National Pike
Baltimore, Maryland 21228
410-747-8770

Trace Laboratories, Inc.*
5 North Park Drive
Hunt Valley, Maryland 21030
410-584-9099