



# MARYLAND DEPARTMENT OF THE ENVIRONMENT

Oil Control Program, Suite 620, 1800 Washington Blvd., Baltimore MD 21230-1719

410-537-3442 410-537-3092 (fax)

1-800-633-6101, ext. 3442

Martin O'Malley  
Governor

Robert M. Summers, Ph.D.  
Secretary

Anthony G. Brown  
Lieutenant Governor

January 23, 2013

## CERTIFIED MAIL

### RE: INFORMATIONAL NOTIFICATION LETTER

Case No. 2013-0321-AA

Ft. Meade Shell Station

2631 Annapolis Road, Hanover

Anne Arundel County, Maryland

Facility I.D. No. 4591

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 petroleum contamination has been detected in a groundwater monitoring well at the subject property at levels exceeding the statutory notification level. As a property owner within 0.5 mile of the subject property (see enclosed map), this letter is being sent to you to provide information about the detections at the referenced Shell Station.

The Maryland Department of the Environment's Oil Control Program (MDE-OCP) has opened a groundwater investigation case at the Ft. Meade Shell Station to investigate the extent of petroleum impacts to the soil and groundwater related to a recently detected potential release of gasoline. On November 27, 2012, the Department received notification that a 10,000-gallon fiberglass gasoline underground storage tank (UST) failed tightness testing. The UST was emptied and removed from service on November 28, 2012.

On January 9, 2012, MDE-OCP received notification that dissolved phase petroleum impacts were detected in a water sample, which was collected from monitoring well MW-4 on December 26, 2012. Benzene was detected at a concentration of 2,900 parts per billion (ppb) and methyl tertiary-butyl ether (MTBE) was detected at 61 ppb. Both detections exceeded the respective notification standards of 5 ppb and 20 ppb. The drinking water supply well at the site was also sampled on December 6, 2012, which did not detect the presence of any petroleum contamination.

As part of the ongoing investigation, the MDE-OCP is requiring the station owner, Southern Maryland Oil, Inc. (SMO), to perform additional subsurface investigation to determine the extent of petroleum contamination. At this time, investigation activities will include the installation and sampling of additional monitoring wells and, as a precautionary measure, the sampling of select drinking water supply wells on adjacent properties.

The Department has informed the Anne Arundel County Department of Health of these detections and the overall investigations, and will continue to work with them to evaluate the risks associated with the detections 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 public in your community and will continue to oversee the cleanup until SMO has properly investigated and mitigated the contamination.

If your property is served by an individual 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 USEPA Method 524.2 for full-suite volatile organic compounds (VOCs), including fuel oxygenates and naphthalene. Samples should be collected by a certified sampler and taken from a tap that is immediately after the pressure tank and prior to the water passing through any treatment device.

A fact sheet is being prepared to assist with any questions you may have. The fact sheet will contain more information about the history of the case and the ongoing investigation. The fact sheet and other documents related to the investigation will be posted to the MDE-OCP Remediation Sites internet page: <http://bit.ly/MDEOCPRemediationSites>.

If you have any questions, please contact me at 410-537-3443 (email: [cralston@mde.state.md.us](mailto:cralston@mde.state.md.us)) or Ms. Ellen Jackson, Central Region Section Head, at 410-537-3482 (email: [ejackson@mde.state.md.us](mailto:ejackson@mde.state.md.us)).

Sincerely,



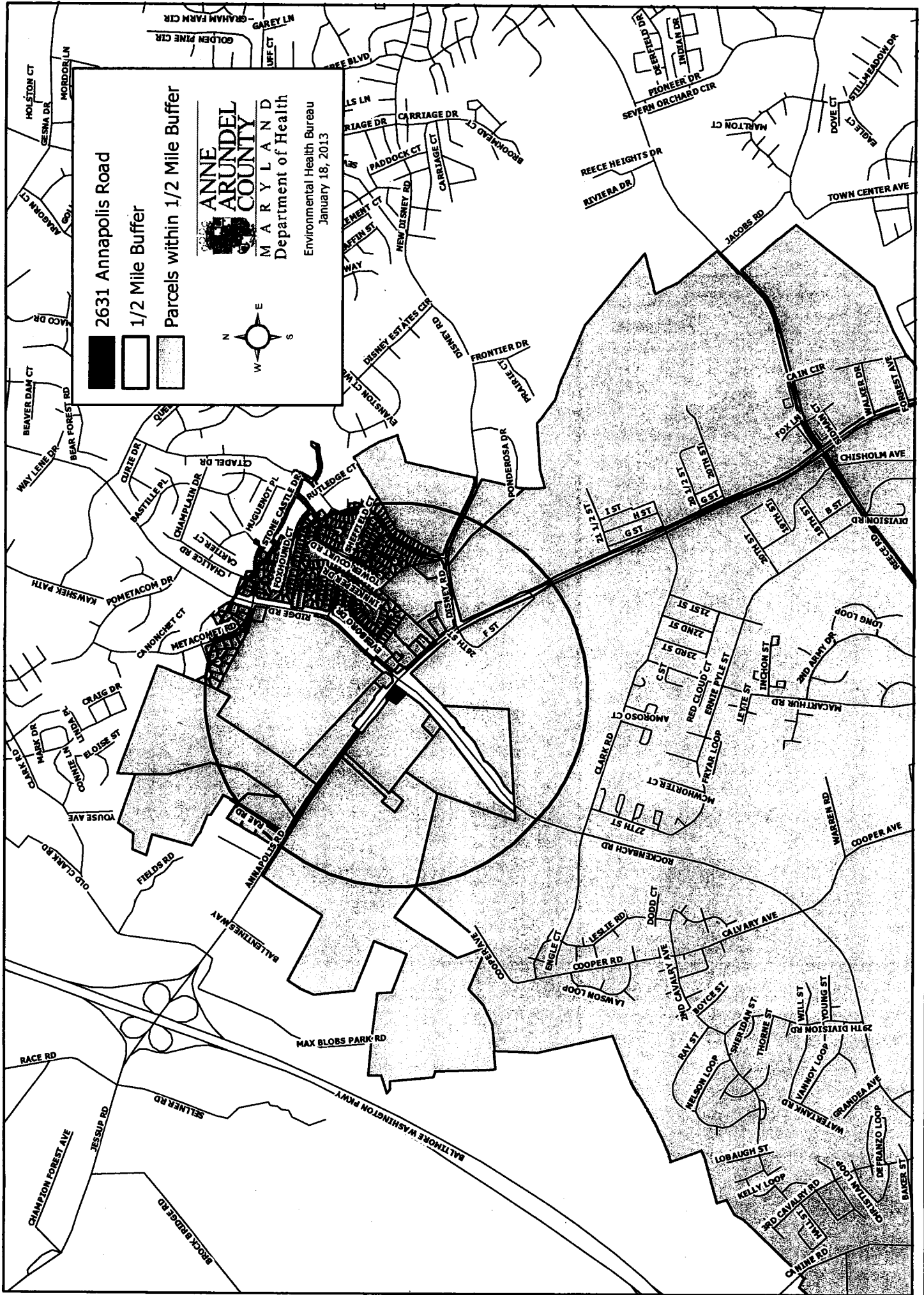
Christopher H. Ralston, Administrator  
Oil Control Program

ME/nln

Enclosures

cc: Mr. Steve Stookey (Southern Maryland Oil, Inc.)  
Ms. Kerry Topovski (Anne Arundel County Health Dept.)  
Mr. Andrew B. Miller  
Mr. Horacio Tablada

# Properties within 1/2 Mile of 2631 Annapolis Road ( Shell Gas Station )





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### 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](http://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

**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

**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 Ventrice Court  
P.O. Box 244  
Myersville, Maryland 21773  
301-293-3340

**General Physics Corporation**

6095 Marshalee Drive, Suite 300  
Elkridge, Maryland 21075  
410-379-3600

**GPL Laboratories, LLLP**

7210A Corporate Court  
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