

Maryland
Department of
the Environment

Larry Hogan, Governor
Boyd Rutherford, Lt. Governor

Ben Grumbles, Secretary
Horacio Tablada, Deputy Secretary

October 27, 2017

Mr. Ali Kazemzadeh
2035 Chesapeake Road
Annapolis MD 21409

RE: REQUEST FOR CONTINUED MONITORING
Case No. 1990-1304-FR
Consent Decree Civil Action No. 10-C-002001OC
Myersville BP Amoco
9486 Myersville Road, Myersville
Frederick County, Maryland
Facility I.D. No. 1139

Dear Mr. Kazemzadeh:

The Maryland Department of the Environment's (the Department) Oil Control Program recently completed a review of the case file for the above-referenced facility, including the *Request for Monitoring Modification*, dated August 16, 2017. As directed in the Department's *Site Status with Directives* correspondence dated September 23, 2014 (copy enclosed) and in accordance with the requirements of *Consent Decree Civil Action No. 10-C-002001OC*, the Department required you to continue collecting groundwater samples from the monitoring well network and the station's drinking water supply well (pre-, mid-, and post-filtration) on a quarterly basis (every three months). A quarterly monitoring report documenting the groundwater sampling data was to be submitted to the Oil Control Program within 20 days of completing each quarterly sampling event. According to Department records, the most recent groundwater sampling event was conducted March 24, 2017 (first quarter 2017) with results reported in correspondence received April 5, 2017. The most recent groundwater sampling analytical results reported a maximum concentration of methyl tertiary-butyl ether (MTBE) at 368 parts per billion (ppb) in the monitoring well network and a concentration of 158 ppb in the station's drinking water supply well (pre-filtration) sample.

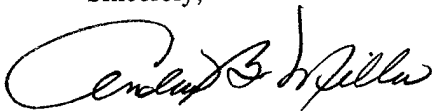
Review of the case file indicates that you have not submitted the required quarterly groundwater sampling data for fourth quarter 2015, first quarter 2016, and second quarter 2017. The Department entered into *Consent Decree Civil Action No. 10-C-002001OC* with you requiring quarterly sampling of the monitoring well network and the on-site supply well. Based on the continued presence of MTBE in the drinking water supply well serving this station, its location in a regulated high-risk groundwater use area, and your failure to comply with the terms of the *Consent Decree Civil Action*, the Department hereby informs you that the reduction in sampling requested and case closure cannot be granted at this time. The Department hereby requires that the following corrective actions be completed:

- 1) **No later than November 15, 2017 and quarterly thereafter**, collect representative groundwater samples from all existing monitoring wells and tank field monitoring pipes. All samples submitted for laboratory analysis must be analyzed for full-suite volatile organic compounds (VOCs), including fuel oxygenates and naphthalene, using EPA Method 8260 and total petroleum hydrocarbons - diesel and gasoline range organics (TPH-DRO and TPH-GRO).

- 2) **No later than November 15, 2017 and quarterly thereafter**, collect representative samples from the station's drinking water supply well (pre-, mid-, and post-filtration). All samples submitted for laboratory analysis must be analyzed for full-suite VOCs using EPA Method 524.2.
- 3) The Department is willing to permit continued monitoring of existing monitoring pipes EMP-1 and EMP-2 in lieu of requiring the installation of additional tank field monitoring pipes.
- 4) **Within 20 days of completing the above sampling event**, submit a report detailing the results of the groundwater sampling data. When submitting the sampling results, at a minimum, include data summary tables (including fuel oxygenates, tabulated by well number) for current and historic data; scaled site map illustrating site features and sampling locations (i.e., structures, tank field, dispensers, soil boring / monitoring well locations); groundwater surface contour map, including inferred groundwater flow direction; liquid phase hydrocarbon thickness map, if applicable; dissolved phase concentration map indicating current concentrations of benzene, MTBE, TPH-DRO, and TPH-GRO; and qualitative and/or quantitative discussions regarding assessment results.
- 5) When submitting documentation to the Oil Control Program, submit three hard copies and a digital copy on a labeled compact disc (CD). Reference the case number **(90-1304-FR)** on each page and send to the attention of the new case manager, Mr. Nicholas Psenicnik.
- 6) Notify the Oil Control Program at least five (5) working days prior to conducting any work at this site so we have an opportunity to observe field activities.

The Department understands that a petition has been submitted to Frederick County to connect the site to public water. Upon confirmation of connection to public water, the status of this case will be reviewed. Failure to perform the required investigations and submit the required reports may result in the demand for stipulated penalties in accordance with Section 19 of *Consent Decree Civil Action No. 10-C-002001OC*. If you have any questions, please contact the new case manager at 667-203-1016 (email: nicholas.psenicnik@maryland.gov), the new Regional Supervisor Ellen Jackson at 410-537-3482 (email: ellen.jackson@maryland.gov), or me at 410-537-3443 (email: andrew.miller@maryland.gov).

Sincerely,



Andrew B. Miller, Chief
Remediation and State-Lead Division
Oil Control Program

NJP/nln

Enclosure: Site Status with Directives - September 23, 2014

cc: Mr. Michael J. Robertson (Advantage Environmental Consultants, Inc.)
Mr. Barry Glotfelty (Frederick County Health Dept.)
Ms. Susan R. Bull
Mr. Christopher H. Ralston
Ms. Hilary Miller



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

Martin O'Malley
Governor

Robert M. Summers, Ph.D.
Secretary

Anthony G. Brown
Lieutenant Governor

September 23, 2014

Mr. Ali Kazemzadeh
104 Ashton Oaks Court
Ashton MD 20861-9711

RE: SITE STATUS with DIRECTIVES

Case No. 90-1304-FR

Consent Order – May 4, 2007

Notices of Violation NV-86-331, 2002-069, NV-2006-010

Myersville BP Amoco

9486 Myersville Road, Myersville

Frederick County, Maryland

Facility I.D. No. 1139

Dear Mr. Kazemzadeh:

The Oil Control Program recently completed a review of the case file for the above referenced property. The most recent groundwater sampling data collected from the monitoring well network in June 2014 confirmed the continued presence of dissolved phase petroleum contamination on-site (benzene at 835 parts per billion [ppb]; methyl tertiary-butyl ether [MTBE] at 102 ppb; toluene at 1,850 ppb; total petroleum hydrocarbons – diesel and gasoline range organics [TPH-DRO and GRO] at 23,300 and 16,000 ppb, respectively). In June 2014, samples collected from the on-site drinking water supply well detected MTBE at 302 ppb prior to treatment. Sampling results for the post sampling port were non-detect for MTBE. The Department is in receipt of a 30-day written notification to remove the active underground storage tanks (USTs) at this facility.

Based on our review, the Department has the following comments and requirements:

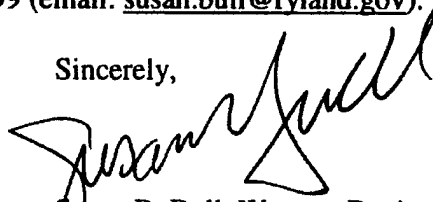
1. Currently, there are four monitoring wells located on-site. It is your responsibility to ensure the integrity of these wells during excavation activities.
2. During the removal of all UST system components, the Department requires the removal of petroleum impacted soils to the maximum extent practicable.
3. Any monitoring wells known to be located in a proposed excavation area that may be compromised during soil removal activities must be properly abandoned by a Maryland-licensed well driller in accordance with COMAR 26.04.04.11D(3). If wells are abandoned, submit the abandonment reports to the Oil Control Program within 30 days following completion of excavation activities.

4. **Within 45 days** of completing soil excavation, any monitoring wells destroyed must be replaced in a location approved by the Department. Replacement monitoring wells must be at least 2 inches in diameter.
5. Due to the small size of the parcel, the Department recommends that all excavated impacted soils be directly loaded and removed off-site for proper disposal. Soil disposal receipts must be submitted as part of the final *UST Removal and Targeted Soils Removal Report*.
6. Following the excavation of petroleum-impacted soils, post-excavation confirmatory samples must be collected. The number of samples to be collected will be site-specific and depend on the extent of the dig-out and the area affected.
7. All soil samples collected must be analyzed for full-suite volatile organic compounds (VOCs), including fuel oxygenates and naphthalene, using EPA Method 8260 and for TPH-DRO and TPH-GRO) using EPA Method 8015B.
8. **No later than 45 days** from completion of UST removal activities, submit a *UST Removal and Targeted Soils Removal Report* that details site activities. At a minimum, the report must include: a scaled site map depicting the former UST field; dispenser areas; areas of additional soil excavation; soil sample locations; UST and soil disposal receipts; post excavation soil analytical data; all pertinent qualitative and/or quantitative discussions; and an amended UST registration.
9. Continue sampling all site monitoring wells that do not regularly exhibit LPH on a quarterly (every three months) basis and analyze the samples collected for full-suite VOCs, including fuel oxygenates and naphthalene, using EPA Method 8260 and for TPH-DRO and TPH-GRO using EPA Method 8015B.
10. Continue sampling the on-site drinking water supply well. Samples must be collected before, in-between, and after any treatment system and analyzed for full-suite VOCs, including fuel oxygenates and naphthalene, using EPA Method 524.2.
11. **Within 20 days of completing the sampling event**, submit the results in quarterly monitoring reports (every three months). When submitting sampling results, include detailed data summary tables and scaled site maps showing actual sampling locations. The Department calls your attention to requirement #16 under "Reporting Requirements" in the Consent Order executed on September 6, 2007, which states: "For any remedial requirements that is not timely performed, Owner shall provide, within 14 days of a written request by MDE, why the requirement was not performed, what steps are being taken to ensure its prompt performance, and when it is anticipated that the requirement will be performed."

Mr. Ali Kazemzadeh
Case No. 90-1304-FR
Page Three

Notify the Oil Control Program at least five (5) working days prior to conducting any work at this site so our representatives have an opportunity to observe field activities. If you have any questions regarding the groundwater investigation, please contact the case manager, Mr. Rob Hill at 301-665-2857 (email rob.hill@maryland.gov) or me at 410-537-3499 (email: susan.bull@ryland.gov).

Sincerely,



Susan R. Bull, Western Region Section Head
Remediation and State-Lead Division
Oil Control Program

RJH/nln

cc: Mr. Michael J. Robertson (Advantage Environmental Consultants, Inc.)
Mr. George Keller (Frederick County Health Dept.)
Mr. Andrew B. Miller
Mr. Christopher H. Ralston
Mr. Horacio Tablada