



MARYLAND DEPARTMENT OF THE ENVIRONMENT
Oil Control Program, Suite 620, 1800 Washington Blvd., Baltimore MD 21230-1719
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Martin O'Malley
Governor

Robert M. Summers, Ph.D.
Secretary

Anthony G. Brown
Lieutenant Governor

May 14, 2013

Mr. Jose Rios
Manager, Environmental Services
7-Eleven, Inc.
1722 Routh Street, Suite 1000
Dallas TX 75201

**RE: TEMPORARY REMEDIATION SYSTEM DEACTIVATION
AND REBOUND ASSESSMENT APPROVAL**
Case No. 2002-0912-CL
7-Eleven No. 28920
7621 Woodbine Road, Woodbine
Carroll County, Maryland
Facility I.D. No. 1438

Dear Mr. Rios:

The Oil Control Program recently completed a review of the case file for the above-referenced property, including the *Request for Remediation System Deactivation and Rebound Assessment - November 30, 2012*, the *First Quarter 2013 Remediation Progress and Monitoring and Sampling Report - April 12, 2013*, and the *Groundwater Remediation System Shutdown Request - April 12, 2013*. Since 2002, the remedial goal of this groundwater investigation has been the reduction of methyl tertiary-butyl ether (MTBE) in the vicinity of the former 7-Eleven gasoline station and the protection of on-site and off-site drinking water supply wells. Remedial activities included: permanent closure of the underground storage tank (UST) system; the excavation of more than 670 tons of petroleum contact soil; and the recovery/treatment of more than 5.7 million gallons of petroleum impacted groundwater.

The time series groundwater monitoring data demonstrates a decreasing trend in both the concentrations and distribution of MTBE in the on-site and off-site monitoring well network. In March 2013, samples collected from the monitoring well network detected MTBE up to 24 parts per billion (ppb) in monitoring well MW-2 and up to 7 ppb in monitoring well P-2. A system influent sample detected MTBE up to 4 ppb, significantly less than the 4,900 ppb detected in the influent stream in November 2010. Samples collected from the remaining monitoring wells and the on-site drinking water supply wells serving the active shopping center were non-detect for petroleum constituents. The time series drinking water sampling data also shows that MTBE continues to decrease below the State's action level of 20 ppb in the off-site private drinking water supply wells on which granular activated carbon (GAC) filtration systems were retrofitted.

Based on the decreasing trends of petroleum constituents detected during the active pumping remedial treatment period, your consultant proposes a controlled rebound assessment to assess the non-pumping subsurface conditions. During this period, the treatment system will be temporarily deactivated, but will remain on-site. Enhanced groundwater gauging and monitoring will be implemented. Your consultant proposes reactivating the system if MTBE is detected at or above 180 ppb in the core monitoring well network.

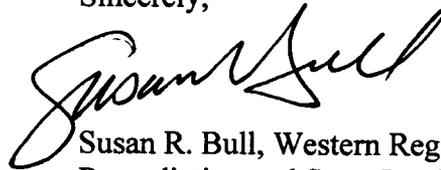
Based on our review, the Department concurs with temporary deactivation of the groundwater treatment system contingent upon the following modifications:

- (1) Notify the case manager at least five (5) working days prior to shutting down the groundwater treatment system. The groundwater treatment system must remain on-site until the Oil Control Program determines the system is no longer a necessary component of any future remedial efforts.
- (2) The Department reserves the right to reactivate the treatment system or modify sampling parameters pending changes in site conditions and contaminant concentrations.
- (3) During the first quarter (three months) following system shutdown, the Oil Control Program requires monthly gauging and sampling of all monitoring wells, injection wells, and the two on-site supply wells. All groundwater samples collected must be analyzed for full-suite volatile organic compounds (VOCs), including fuel oxygenates and naphthalene, using EPA Method 8260 and for total petroleum hydrocarbons diesel- and gasoline-range organics (TPH-DRO and TPH-GRO) using EPA Method 8015. All samples collected from the on-site supply wells must be analyzed for full-suite VOCs, including fuel oxygenates and naphthalene, using EPA Method 524.2.
- (4) Within fifteen (15) days of each monthly sampling event, submit a brief report that includes a summary of the rebound assessment sampling data and an evaluation of the time series data to determine if the groundwater conditions warrant restarting the groundwater remediation system. The Oil Control Program will review incoming data and will make site monitoring and/or remedial modifications based on all newly received data.
- (5) Continue quarterly sampling of the inactive private drinking water supply well at 7633 Woodbine Road and the GAC protected private drinking water supply well at 7637 Woodbine Road. All samples collected from the private drinking water wells must be analyzed for full-suite VOCs, including fuel oxygenates and naphthalene, using EPA Method 524.2. The Oil Control Program understands these drinking water supply wells are scheduled to be sampled in June 2013.
- (6) Continue semi-annual (every six months) sampling of the off-site private drinking water supply wells at 7610, 7611, 7614, 7620, 7624, 7642, and 7727 Woodbine Road. All samples collected from these private drinking water supply wells must be analyzed for full-suite VOCs, including fuel oxygenates and naphthalene, using EPA Method 524.2. The Oil Control Program understands these drinking water wells are scheduled to be sampled in June 2013.

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If you have any questions, please contact the case manager, Mr. Jim Richmond, at 410-537-3337 (email: jrichmond@mde.state.md.us) or me at 410-537-3499 (email: susan.bull@maryland.gov).

Sincerely,



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

JWR/nln

cc: Mr. John Canzeri (AECOM, Inc.)
Randall Lutz, Esquire
Mr. James M. Frey (Property Owner)
Mr. Leigh Broderick (Carroll County Health Dept.)
Mr. Tom Devilbiss (Carroll County Government)
Mr. William S. Jenkins (7727 Woodbine Road)
Mr. Raymond Wander (7642 Woodbine Road)
Mr. Gregory M. Meade (7624 Woodbine Road)
Mr. Christopher Brengle (7620 Woodbine Road)
Mr. John McGehrin (7614 and 7610 Woodbine Road)
Mr. Dennis Adcock (7611 Woodbine Road)
Ms. Paula Mackiewicz (7637 Woodbine Road)
Mr. Andrew B. Miller
Mr. Christopher H. Ralston
Mr. Horacio Tablada