



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

NORTHERN REGIONAL OFFICE

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L. Preston Bryant, Jr.
Secretary of Natural Resources

David K. Paylor
Director

December 10, 2009

Ms. Alexandria McBride
ExxonMobil Environmental Services Company
3225 Gallows Road, Room 8B0420
Fairfax, VA 22037

RE: **PC#2010-3028**; Exxon Station #2-6140
9901 Georgetown Pike, Great Falls, Fairfax County 22066
Site Characterization Report received November 11, 2009

Dear Ms. McBride:

The Virginia Department of Environmental Quality (DEQ) has reviewed the referenced Site Characterization Report (SCR). The report recommends continued sampling of the existing monitoring wells, delineation of the dissolved phase hydrocarbons southeast/east of the site, conducting a remediation feasibility study, and preparation of a Corrective Action Plan (CAP).

This office does not believe sufficient information has been obtained to justify or allow an adequate CAP to be designed. Specifically, information from additional deep monitoring wells and offsite shallow monitoring wells needs to be obtained.

On or before **February 12, 2010**, a Site Characterization Report Addendum should be submitted to this office. The Addendum should include the following:

- Installation of at least three additional shallow ground water monitoring wells on the property located to the southeast/east of Exxon facility to better define the horizontal distribution of dissolved phase hydrocarbons in the shallow aquifer.
- Installation of one bedrock monitoring well to the north/northeast of the former on-site potable well and one to the south/southwest to validate that there has not been off-site movement of MTBE in the lower aquifer. A site drawing with the proposed well locations should be submitted to this office for approval prior to proceeding with installation.

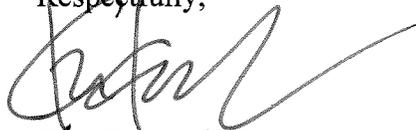
- Perform low flow sampling of the former potable well, MW-6D, and new bedrock wells at the following depths: 60 feet below top of casing (TOC), 85 feet below TOC, and 105 feet below TOC or at intervals in MW-6D and the additional bedrock monitoring wells where potential fractures were/are documented during drilling activities.
- Analysis of ground water samples from all new and existing wells for BTEX/MTBE and TPH-GRO.
- Update risk assessment based upon the results of the newly installed wells, if warranted. And.
- Proposal of additional assessment and/or viable remediation strategies (if necessary).

After this office has reviewed the report, a decision on case closure, additional assessment, or corrective action will be made.

If you wish to access the Virginia Petroleum Storage Tank Fund (VPSTF), the submittal of an Activity Authorization Form (AAF) and/or competitive bids is required. In order to meet the submittal date for the SCR Addendum, an AAF should be submitted as soon as possible.

The Virginia DEQ is very interested in assisting you in any way possible to bring this investigation to closure, effectively and efficiently. If you have any questions or if you need additional guidance, feel free to contact me at **703-583-3825**. Please include the PC file number, referenced above, in all correspondence.

Respectfully,



Kurt W. Kochan
Environmental Geologist

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cc: File
GES via email to ATaylorsoncollins@gesonline.com