

**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
Northern Virginia Regional Office  
Memorandum

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**SUBJECT:** PC#2013-3154; Potomac River Generating Station, Alexandria, 22314 – CAP Permit #512  
**TO:** Randy Chapman, Environmental Manager, Remediation Division  
**FROM:** Alex Wardle, Environmental Geologist, Remediation Division  
**DATE:** March 16, 2015  
**COPIES:** File

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Responsible Party: NRG Energy  
8301 Professional Place, Suite 230  
Landover, MD 20785

Facility Location: Potomac River Generating Station  
1400 N Royal Street, Alexandria

Public Notification: The release was from a non regulated UST. Public Notice was not required but was made in the *Alexandria Times* on December 30, 2014 through January 13, 2015. Public comment was received and a public meeting was held on February 3, 2015. Public comments are reviewed on the attached table

Cleanup Endpoints:

Free product phase -	0.01 ft or to the maximum extent practicable
Dissolved phase -	VPDES standards for discharges from petroleum contaminated sites, currently: TPH-DRO 15 mg/l Naphthalene: 8.9 ug/l
Vapor phase -	N/A
Residual phase -	N/A

The corrective action involves pump and treat and dual phase extraction to recover free phase and elevated dissolved phase petroleum in both a shallow “perched” zone of contamination and a deeper, “groundwater” zone of contamination. Air sparging will be carried out along the periphery of the plume to control offsite migration and enhance natural biodegradation. Groundwater remediation will be required. There will be a discharge of treated water that is currently anticipated to be to the Alexandria sanitary sewer but may be to surface water or may be stored for offsite disposal by tanker truck.