



Maryland Department
of the Environment

FACTS ABOUT: H & J BP STATION

ENVIRONMENTAL INVESTIGATION H & J BP STATION 738 MARYLAND ROUTE 3 NORTH, GAMBRILLS ANNE ARUNDEL COUNTY, MARYLAND MDE CASE NO. 2012-0677-AA (OPEN)

SITE LOCATION

The Maryland Department of the Environment's Oil Control Program (MDE-OCP), in coordination with the Anne Arundel County Department of Health, is evaluating the impacts of petroleum constituents at the H & J BP Station located at 738 MD Route 3 North. This location has supported an active gasoline retail station since August 1996 when three new composite steel underground storage tanks (USTs) were registered: two 12,000-gallon gasoline; and a 10,000-gallon diesel. The USTs were originally registered by the owner, Ray Jackson of H & J Amoco, Inc. In May 2000, the USTs were registered by Juju Singh, the new owner of H & J Amoco, Inc. who currently owns and operates the station. The site has Stage I and Stage II vapor recovery systems. The piping is comprised of double-walled flexible fiberglass reinforced plastic. Currently, there are three monitoring wells and two tank field monitoring pipes located on-site. Depth to groundwater is approximately 68 feet below ground surface. The site is served by a private drinking water supply well and the surrounding mixed use commercial/residential area is served by private wells.

SITE HISTORY

In May 2012, the MDE-OCP opened a case at the H & J BP Station based on the identification of a diesel release from the piping and containment sumps beneath the diesel dispensers. Liquid phase hydrocarbons (LPH), diesel product, were detected in the tank field monitoring pipes (0.04 feet product thickness). Repairs were made to the diesel dispenser system and testing of the sumps and product piping after repairs yielded passing results. Based on the station's inventory records, approximately 80 gallons of diesel product was released. In October 2012, a vacuum extraction event was conducted to remove LPH from the tankfield. A limited direct push subsurface investigation was conducted in November 2012 and four borings were installed to assess subsurface conditions. In May 2013, three monitoring wells were installed on-site to assess groundwater conditions. On August 2, 2013, the MDE-OCP received the *Supplemental Site Investigation Report - July 2013* which reported that dissolved phase petroleum impacts were detected in the monitoring wells. Maximum concentrations of methyl tertiary-butyl ether (MTBE) were detected at 1,100 parts per billion (ppb); total petroleum hydrocarbons – gasoline range organics (TPH-GRO) were detected at 640 ppb; and TPH – diesel range organics (TPH-



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DRO) were detected at 160 ppb. The on-site drinking water supply well was sampled two times, once in June 2012 and again in June 2013, and both testing results were non-detect for petroleum contamination. Measurable LPH have not been detected in the tank field monitoring pipes since the vacuum extraction event was conducted in October 2012.

ENVIRONMENTAL INVESTIGATIONS AND ACTIONS

In August 2013, the MDE-OCP approved a proposal by H & J Amoco, Inc. to install additional monitoring wells to delineate the horizontal and vertical extent of petroleum impacts. The MDE-OCP also required H & J Amoco, Inc. to sample select drinking water supply wells located in close proximity to the site. The MDE-OCP continues to oversee the release response until H & J Amoco, Inc. has properly assessed the release and any identified unacceptable petroleum impacts have been mitigated.

CURRENT STATUS

In August 2013, the MDE-OCP, in conjunction with the Anne Arundel County Department of Health, issued a notification letter to property owners within a half-mile radius of the site in response to high-risk groundwater use area notification requirements. The subsurface investigation will be conducted by H & J Amoco, Inc. during fourth quarter 2013. Additional assessment or remediation requirements, if needed, will be based on the findings of the required site assessment activities.

FUTURE UPDATES

- Postings on www.mde.state.md.us
- File available at the MDE Headquarters

CONTACTS

- Maryland Department of the Environment–Oil Control Program: 410-537-3442
- Anne Arundel County Department of Health: 410-222-7024
- H & J Amoco, Inc.: 410-923-6170

DISCLAIMER

The intent of this fact sheet is to provide the reader a summary of site events as they are contained within documents available to MDE. To fully understand the site and surrounding environmental conditions, MDE recommends that the reader review the case file that is available at MDE through the Public Information Act. The inclusion of a person or company's name in this fact sheet is for informational purposes only and should not be considered a conclusion by MDE on liability, involvement in a wrongful act, or contribution to environmental damage.