



FACTS ABOUT: FORK CITGO #23

ENVIRONMENTAL INVESTIGATION FORK CITGO #23 12601 HARFORD ROAD, KINGSVILLE BALTIMORE COUNTY MARYLAND CASE NO. 2006-0825-BA

SITE LOCATION

The Maryland Department of the Environment (MDE), Oil Control Program (OCP) is evaluating the impact of methyl tertiary-butyl ether (MTBE) at Fork Citgo #23 and select off-site drinking water supply wells in the vicinity. MTBE is a fuel additive commonly used to reduce carbon monoxide and ozone levels caused by auto emissions. There is no national regulatory standard for MTBE in drinking water. In 1997, the U.S. Environmental Protection Agency (EPA) issued an advisory for MTBE of 20 to 40 parts per billion (ppb), based on taste and odor. Although the EPA has not established a regulated maximum contaminant level for MTBE, the MDE has adopted an action level of 20 ppb.

The MDE-OCP became aware of environmental problems at the Fork Citgo upon receiving groundwater sampling results from three new monitoring wells installed per the State's emergency regulations that went into effect in January 2005 for regulated gasoline UST systems in high-risk groundwater use areas. The station's drinking water supply well was sampled in August 2005 and March 2006. On both occasions, MTBE was detected at 14 and 7.5 ppb, below the State's action level of 20 ppb. Carroll Independent Fuel, LLC (CIF), as owner and operator, installed a granular activated carbon (GAC) filtration system on the transient non-community supply well to eliminate petroleum constituents from the on-site drinking water. Based on sampling results collected to date, MDE approved removal of the GAC system from the on-site potable well in June 2013.

SITE HISTORY

Fork Citgo has been active in gasoline retail activities since the 1960s when five bare-steel underground storage tanks (USTs) were installed (four 6,000-gallon gasoline and one 550-gallon used oil). In March 1986, the USTs were registered to Harvey E. Russell. Since February 1989 when ownership of the tanks changed, CIF has been the registered owner of the USTs at this facility. The MDE understands that CIF transfers ownership of the USTs to new "dealers" as they operate a site. The dealer/operator/UST owner at the time of the MTBE discovery was IB Investments and Properties as well as CIF. It is unclear when the first-generation bare-steel



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gasoline USTs were removed; however, it appears the second generation USTs were installed in February 1989.

Currently, the facility operates USTs comprising composite steel with fiberglass-reinforced plastic and fiberglass reinforced plastic piping. The site has Stage I and Stage II vapor recovery systems. Three monitoring wells and a transient non-community drinking water supply well are located on-site.

Based on the levels of petroleum contaminants in the station's groundwater monitoring network and pursuant to Section 4-411.2 of the Environment Article, Annotated Code of Maryland, the MDE opened a case, issued a directive letter to IB Investments and Properties and CIF, and notified Baltimore County Department of Environmental Protection and Sustainability (DEPS) of petroleum impacts at this site, located in a high-risk groundwater use area. At this time, the MDE-OCP does not anticipate expanding the off-site residential sampling effort beyond sampling needed to ensure community safety.

ENVIRONMENTAL INVESTIGATIONS AND ACTIONS

To date, ten off-site drinking water wells, located in close proximity to the active station have been sampled. CIF maintains a GAC filtration system on one private drinking water supply well that has been impacted by petroleum constituents. The GAC system is being monitored and maintained by CIF at no expense to the property owner. The impacted supply well is currently sampled on a quarterly basis.

CURRENT STATUS

The Department has required CIF to continue gauging and sampling of the monitoring well network and monitoring of the on-site and off-site potable wells.

FUTURE UPDATES

- Postings on www.mde.maryland.gov
- File available at the MDE Headquarters

CONTACTS

- Maryland Department of the Environment – Oil Control Program: 410-537-3442
- Harford County Health Department: 410-877-2321 or 410-877-2322
- Sunoco: 813-957-2343

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 within 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.