



Groundwater Investigation

Eagle's Nest / Chesapeake City Exxon

The Maryland Department of the Environment's (MDE) Oil Control Program (OCP) received notification of elevated petroleum constituents in the groundwater and is currently evaluating this notification for the Eagle's Nest Chesapeake City Exxon, located at 2754 Augustine Herman Highway in Chesapeake City. This facility is owned and operated by DJS Realty, LLC and has been an active gasoline retail station under various ownership since the early 1960s. The OCP has opened new case number 2023-0161CE.

Site Location

In January 1986, four underground storage tanks (USTs) were installed at the site: one 8,000-gallon gasohol, one 4,000-gallon gasohol, one 8,000-gallon diesel, and 1,000-gallon kerosene. The 1,000-gallon kerosene UST was permanently closed-in-place in August 2010. The USTs are cathodically protected steel with an impressed current system, with single-walled fiberglass piping. Currently, three groundwater monitoring wells and a transient non-community drinking water supply well are located on site.

Site History

Three monitoring wells were installed under closed OCP case number 1999-2964CE and retained for the purposes of groundwater monitoring pursuant to the State's high-risk groundwater use area (HRGUA) regulations, Code of Maryland Regulations (COMAR) 26.10.07.04. Throughout the case, sampling of the monitoring well network exhibited detections of benzene, MTBE, toluene, ethylbenzene, and xylenes. Sampling results for the on-site supply well were non-detect for petroleum related constituents. Case No. 1999-2964-CE was closed on February 23, 2011. However, annual sampling of the groundwater monitoring well network and the on-site drinking water supply well continued to be a requirement to meet the HRGUA regulations.

Environmental Investigations and Actions

On September 23, 2022, the MDE received notification of the detection of 3 inches of liquid phase hydrocarbons (LPH) in ground water monitoring well MW-2. During a site inspection conducted on September 30, 2022, the OCP required the recovery of LPH and collection of a groundwater sample. On October 20, 2022, the MDE-OCP received a report of dissolved phase petroleum-related constituents in MW-2 at concentrations exceeding the regulatory standard. The analytical results for the groundwater monitoring well samples collected on October 5, 2022, exhibited concentrations of the following petroleum constituents above MDE's groundwater standards:

- Benzene in MW-2 at 6,520 ppb, which is above the 5 ppb standard;
- Toluene in MW-2 at 75,200 ppb, which is above the 1,000 ppb standard;



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- Ethylbenzene in MW-2 at 18,400 ppb, which is above the 700 ppb standard; and
- Xylene in MW-2 at 120,800 ppb, which is above the 10,000 ppb standard.

Current Status

Based on the September 23, 2022, presence of LPH in a monitoring well, MDE opened Case No. 2023-0161-CE. Also, MDE is working with the Cecil County Health Department to notify property owners within one-half mile of the site as required by state law. The MDE will evaluate the status of the case and determine if DJS Realty, LLC will be required to perform additional actions.

Future Updates

Postings available on www.mde.maryland.gov

File available at MDE's headquarters in Baltimore.

CONTACTS

Oil Control Program: 410-537-3442 or 1-800-633-6101, ext. 3442

Cecil County Health Department: 410-996-5550

Eagle's Nest: 410-885-2014

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, which can be requested 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.