



Maryland
Department of
the Environment

FACTS ABOUT:

Rising Sun Sunoco #0651-9128

**GROUNDWATER INVESTIGATION
RISING SUN SUNOCO #0651-9128
355 TELEGRAPH ROAD, RISING SUN
CECIL COUNTY, MARYLAND
OCP CLOSED CASE NOS. 92-0387-CE, 97-0952-CE, 2006-0055-CE
OCP OPEN CASE NO. 2021-0202-CE**

SITE LOCATION

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 Rising Sun Sunoco, located at 355 Telegraph Road in Rising Sun. This facility is owned and operated by Sunoco LP and has been an active gasoline retail station since the early 1980s. In February 1997, the two active underground storage tanks (USTs) were installed at the site: one 12,000-gallon gasohol UST and one 10,000-gallon gasohol UST. The USTs are double-walled composite steel with a fiberglass-reinforced plastic outer wall and double-walled fiberglass piping. Currently, three groundwater monitoring wells and a transient non-community drinking water supply well are located on site.

SITE HISTORY

In July 2005, three monitoring wells were installed pursuant to the State's high-risk groundwater use area (HRGUA) regulations, Code of Maryland Regulations (COMAR) 26.10.02.03-4. The initial HRGUA sampling results had detections of benzene ranging from non-detect to 310 parts per billion (ppb) and methyl tertiary-butyl ether (MTBE) ranging from 280 to 3,000 ppb. Following receipt of the results, MDE opened Case No. 2006-0055-CE and required the monitoring well network and on-site supply well be sampled on a semi-annual basis. 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. 2006-0055-CE was closed March 16, 2011; however, annual sampling of the on-site drinking water supply well and the monitoring well network continued to be a requirement to meet HRGUA regulations.

ENVIRONMENTAL INVESTIGATION AND ACTIONS

On November 4, 2020, MDE received notification of the detection of dissolved phase petroleum-related constituents in two of the three groundwater monitoring wells at concentrations exceeding the regulatory standard. Benzene was detected at concentrations ranging from 40.6 to 546 ppb during the August 26, 2020 sampling event, which exceed the regulatory standard of 5 ppb.



MTBE was detected at 28.6 ppb in MW-3, which exceeds the regulatory standard of 20 ppb. In response to the detections and because of the delay in MDE receiving the August 2020 data, the OCP required the collection of confirmation samples from MW-1, MW-2, MW-3, and the drinking water supply well. The analytical results for the confirmatory samples collected on November 6, 2020 were non-detect for petroleum constituents in the drinking water supply well. The analytical results for the groundwater samples collected from the monitoring well network exhibited concentrations of the following petroleum constituents:

- Benzene in MW-1 and MW-3 ranging from 23.9 to 315 ppb, which is above the 5 ppb standard;
- MTBE in MW-3 at 20 ppb, which is equivalent to the 20 ppb standard.

CURRENT STATUS

Based on the November 6, 2020 confirmed detections of petroleum constituents, MDE opened Case No. 2021-0202-CE. The 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 Sunoco LP 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
- Rising Sun Sunoco: 410-658-3851

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.