



Maryland
Department of
the Environment

FACTS ABOUT: GENIE AND CO. INC.

ENVIRONMENTAL INVESTIGATION GENIE AND CO. INC. (aka MOUNTAIN ROAD CHEVRON) 4731 MOUNTAIN ROAD, PASADENA ANNE ARUNDEL COUNTY, MARYLAND MDE CASE NO. 1992-0468-AA

SITE LOCATION

The Maryland Department of the Environment's (MDE) Oil Control Program is evaluating petroleum impacts in the vicinity of the Mountain Road Chevron facility located at 4731 Mountain Road in Pasadena, Anne Arundel County. The facility has been an active petroleum service station since at least the 1970's. The site is surrounded by a mixed use commercial and residential area and is served by a private drinking water well.

SITE HISTORY

According to the MDE's tank registration records, on March 18, 1986, Robal Enterprises (Robert Calvert) registered five steel underground storage tank systems (USTs) with galvanized steel piping (a diesel, and four gasoline tanks). These USTs were installed in the 1970s to mid-1980s.

The property was sold at a public auction on September 30, 1988 to Genie & Company Inc. (Robert G. Calvert & Jeanne Marie Calvert). On April 2, 1992, Genie & Co. Inc. registered five USTs (three 5,000-gallon gasoline, an 8,000-gallon kerosene, and a 10,000-gallon diesel tank). These USTs were installed in August 1989 and were comprised composite steel and fiberglass reinforced plastic with single walled flexible plastic piping. In 1994, the MDE was made aware that the kerosene tank was converted to a gasoline tank. Four of the five tanks were later upgraded to double-walled flexible plastic piping.

On June 10, 1999, the property was purchased by Island Petroleum Corporation (Jeanne M. Calvert). On June 25, 2003, Island Petroleum leased the facility to Petroleum Marketing Group. Currently the facility operates five USTs.

ENVIRONMENTAL INVESTIGATIONS AND ACTIONS

This case was opened in August 1991 in response to reports of drinking water contamination at the site. Drinking water sample results provided by Anne Arundel County Health Department indicated petroleum-related contaminants in exceedance of state/federal groundwater standards. The county notified the property owner that the water is unfit for human consumption. Between 1993 and 2007, a total of nine enforcement actions were issued against Genie Co. Inc. and Island Petroleum Corporation.



In February 1995, three groundwater monitoring wells were installed at the site as required by MDE. Samples from these wells indicated concentrations of dissolved phase petroleum constituents in the groundwater in exceedance of state/federal groundwater standards. Groundwater samples were collected from the monitoring wells in 1995, 1999, 2000, 2004. In 2007, liquid phase hydrocarbons (LPH) were detected in MW-3. At that time, MW-1 and MW-2 could not be located. An enhanced fluid recovery (EFR) event was performed to recover LPH from MW-3 in October 2007. Subsequently, MDE approved a plan by Urban Green Environmental to perform passive LPH recovery via an oil absorbent wick and routine gauging at MW-3.

In September 2011, MDE's environmental contractor performed a subsurface investigation at the site which included the advancement of sixteen soil borings for soil logging, soil sampling, and groundwater sampling. The investigation indicated the presence of petroleum-related contaminants in seven of the sixteen soil samples and nine of eleven groundwater samples. LPH was not detected in any of the soil borings or in MW-3 during the event.

Between 2007 and 2014, MDE collected drinking water samples at sixteen properties with private drinking water wells in the vicinity of 4731 Mountain Road, including the subject property. Based on the sampling results, a granular activated carbon (GAC) treatment system was installed at one neighboring property. Routine drinking water sampling at the subject property ceased in 2014 due to sampling results indicating sustained concentrations below laboratory reporting limits. MDE continues to routinely collect drinking water samples at the neighboring commercial property to monitor concentrations of petroleum-related compounds in the groundwater.

CURRENT STATUS

At this time, the MDE-OCP does not anticipate expanding the off-site residential sampling effort beyond sampling needed to ensure community safety.

FUTURE UPDATES

- Postings available on www.mde.maryland.gov
- File available at the MDE headquarters in Baltimore.

CONTACTS

- Oil Control Program: (410) 537-3442 or (800) 633-6101 x3442
- Anne Arundel County Health Department: 410-222-7095

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, the 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 the MDE on liability, involvement in a wrongful act, or contribution to environmental damage.