



Maryland Department  
of the Environment

## **FACTS ABOUT: ROYAL FARMS NO. 64**

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### **ENVIRONMENTAL INVESTIGATION ROYAL FARMS NO. 64 7950 PULASKI HWY., ROSEDALE BALTIMORE COUNTY, MARYLAND MDE CASE NO. 2010-0339BA (OPEN)**

#### **SITE LOCATION**

The Maryland Department of the Environment, Oil Control Program (MDE-OCP), in coordination with the Baltimore County Department of Environmental Protection and Sustainability, has been evaluating impacts and monitoring cleanup activities associated with a release of petroleum hydrocarbons at the Royal Farms facility located at 7950 Pulaski Highway. Royal Farms Store No. 64 is located topographically upgradient of residential properties along Chesaco Avenue. A retaining wall separates the station from adjacent residential properties. The site is geologically underlain by interbedded sand, gravel, and clay of the Patapsco Formation. Groundwater flow is primarily to the north. There are no drinking water receptors in the area. Municipal water and sanitary sewer services are provided to the Royal Farms gas station and the Chesaco Avenue residential community.

This Royal Farms facility is owned and operated by Two Farms Inc. (formerly Cloverland Farms Dairy). In October 1993, four underground storage tanks (USTs), currently in use, were installed at the site. The four active USTs are all 10,000-gallon capacity gasoline tanks. Three of the USTs contain regular grade fuel and one contains premium grade fuel. The USTs are double-walled composite tanks (steel with fiberglass reinforced plastic outer wall) with fiberglass double-walled piping. All USTs are equipped with Stage I and II vapor recovery systems.

#### **SITE HISTORY**

On December 15, 2009, the MDE received a report from the Baltimore County Fire Department who responded to a report of gasoline odors in a residential property located at 1205 Chesaco Avenue. Approximately 1.5 inches of gasoline was observed in the basement sump of the residence. The source of the gasoline was determined to be the adjacent Royal Farms facility. Gasoline was detected in two tank field monitoring pipes and in UST containment sumps. MDE-OCP reviewed the inventory records for the facility and determined that approximately 5,400 gallons of gasoline had been released from the UST system. Records indicate that the loss of gasoline likely began in August 2009. The UST system was evaluated for leaks and one was discovered in the seal of a product pump component. The leak was repaired and the station was put back into service.



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## **ENVIRONMENTAL INVESTIGATIONS AND ACTIONS**

Recovery of the released gasoline began on December 15, 2009 with the use of a vacuum extraction truck. A soil vapor extraction (SVE) system was installed along the foundation of the 1205 Chesaco Avenue residence, which operated from December 2009 through May 2012. There are currently 15 monitoring wells located on-site and off-site. In January 2011, the MDE-OCP approved a Corrective Action Plan for this site. In December 2011, a dual phase extraction (DPE) remediation system was activated to remove free-phase, dissolved-phase, and vapor-phase hydrocarbons. The DPE system utilizes 9 recovery wells; 4 wells are located on-site and 5 wells are located on the 1205 Chesaco Avenue property. Groundwater and vapors extracted by the DPE remediation system are treated and discharged on-site (General Discharge Permit 2010-ORG-38235 and General NPDES Permit NDG913823).

## **CURRENT STATUS**

The Department requires Royal Farms to gauge the monitoring well network on a monthly basis and collect groundwater samples for laboratory analysis of petroleum constituents on a quarterly basis. Remediation system operation and maintenance activities are generally performed on a weekly basis, or as needed. Indoor air samples are collected from the Royal Farms Store building and the residential properties at 1205 and 1207 Chesaco Avenue on a quarterly basis. At this time, the MDE-OCP does not anticipate expanding the off-site residential indoor air sampling effort beyond sampling needed to ensure community safety.

## **FUTURE UPDATES**

- Postings on [www.mde.state.md.us](http://www.mde.state.md.us)
- File available at the MDE Headquarters

## **CONTACTS**

- Maryland Department of the Environment – Oil Control Program: 410-537-3442
- Baltimore County Department of Environmental Protection and Sustainability (BADEPS): 410-887-2762
- Royal Farms: 410-889-0200

## **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.