



Maryland Department of the
Environment

Facts About:

14106 and 14108 Jarrettsville Pike (MD1475)

Site Location:

Perchloroethylene (PCE), a chlorinated solvent used in dry cleaning and automobile maintenance, was discovered in several residential wells in the 1400 block of Jarrettsville Pike during residential well sampling following the Exxon gasoline spill in 2006. Contamination has been discovered in five wells that front the road across from the Jacksonville Elementary School.

Site History:

During residential well sampling following the gasoline spill at the Four Corners Exxon, sampling identified several wells that contained PCE in excess of the Maximum Contaminant Level of 5.0 parts per billion. The Maryland Department of the Environment (MDE) installed carbon filtration units on the affected wells and has continued to sample adjacent wells in the vicinity. From the initial detection, MDE has noted that the contaminant is migrating in a northerly direction to Jarrettsville Pike while the initial affected homes have seen a decreasing trend.

Environmental Investigations:

MDE has conducted some limited soil gas sampling to try and identify the source of the contamination. Though inconclusive, it appears that the source is residential in nature and most likely related to improper handling and/or disposal of solvents in the home setting. Plans to install monitoring wells to better understand the source and migration of the contaminant in the aquifer were canceled when residents refused to grant MDE access to install wells on the affected properties.

Current Status:

MDE is carefully monitoring the situation and will take additional actions based on future sample results. For the time being, MDE has installed and maintains 3 carbon units and is monitoring several nearby homes. Future actions, including the installation of new monitoring wells is being considered.

