

FUEL OIL LEAK AT 2132 RICHMOND DR ST-18

Joint Base Andrews

January 2018

BACKGROUND

The family housing facility located at 2132 Richmond Drive was supplied with heating fuel oil from underground storage tanks (USTs). Fuel oil was observed on the ground surface in 1992. The Maryland Department of the Environment (MDE) issued a petroleum release notice in February 1992 and required the USTs be removed and a site investigation (SI) to be conducted. The SI was completed in April 1992, and an interim remedial action (IRA) was initiated in July 1992. The IRA utilized a peristaltic pump to recover free-phase product from the on-site monitoring wells. Passive product recovery began in 1995 after a reduction in product recovery with the peristaltic pump was observed. Enhanced petroleum product removal using a vacuum truck was conducted monthly between February 1998 and May 1998, as well as between December 1998 and March 1999. Weekly well gauging and passive product recovery continued until the site was closed by the MDE in May 2006.

RISK DRIVERS

Contaminants: Petroleum hydrocarbons

Media: Groundwater, subsurface soil

Exposure Pathways Completed: Construction worker exposure during excavation

Drainage: Payne's Branch

Current Land Use/Surface Cover: Residential

Reasonably Anticipated Land Use: Residential

Relative Risk: NR



Figure 1: ST-18 Site Map

CHALLENGES

The investigation and cleanup has been completed and the site is closed.

PERFORMANCE BASED APPROACH

Quarterly meetings with the MDE occurred throughout the entire lifecycle of the site. The meetings encouraged professional relationships to develop between the Air Force and the regulators, and aided in progressing the site through the various phases of remedial actions until site closure was achieved in 2006.

The past schedule for this site was:

Remedial Investigation (RI)	6/2003 (Complete)
Feasibility Study (FS)	6/2003 (Complete)
Proposed Plan (PP)	4/2004 (Complete)
Record of Decision (ROD)	4/2004 (Complete)
Remedial Design (RD)	N/A
Remedial Action - Construction (RA-C)	N/A
Remedy In Place (RIP)	4/2004 (Complete)
Remedial Action-Operation (RA-O)	N/A
Response Complete (RC)	5/2006 (Complete)
Site Closure (SC)	5/2006 (Complete)