

# SPILL AT BLDG 1950 (ENGINE TEST CELL) SS-21

Joint Base Andrews

January 2018

## BACKGROUND

Former Buildings 1950 and 1951 are the location of the Engine Test Cell Site (SS-21). A plume of petroleum-contaminated groundwater formed as a result of faulty piping from an underground storage tank (UST) and an oil water separator. Free-phase petroleum was not encountered in the on-site monitoring wells during the investigation. Buildings 1950 and 1951 were demolished in December 2000. During demolition activities, the UST, fuel lines, oil-water separator, and 250 cubic yards of petroleum-impacted soils were removed from the site. Clean backfill was placed in the excavation and planted with grass seed.

## RISK DRIVERS

Contaminants: Petroleum hydrocarbons

Media: Surface and subsurface soil

Exposure Pathways Completed: Construction worker exposure during excavation

Drainage: Henson Creek West

Current Land Use/Surface Cover: Industrial

Reasonably Anticipated Land Use: Industrial

Relative Risk: NR

## CHALLENGES

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

## PERFORMANCE BASED APPROACH

Groundwater monitoring confirmed a declining trend of dissolved-phase petroleum concentrations. The Maryland Department of the Environment (MDE) Oil Control

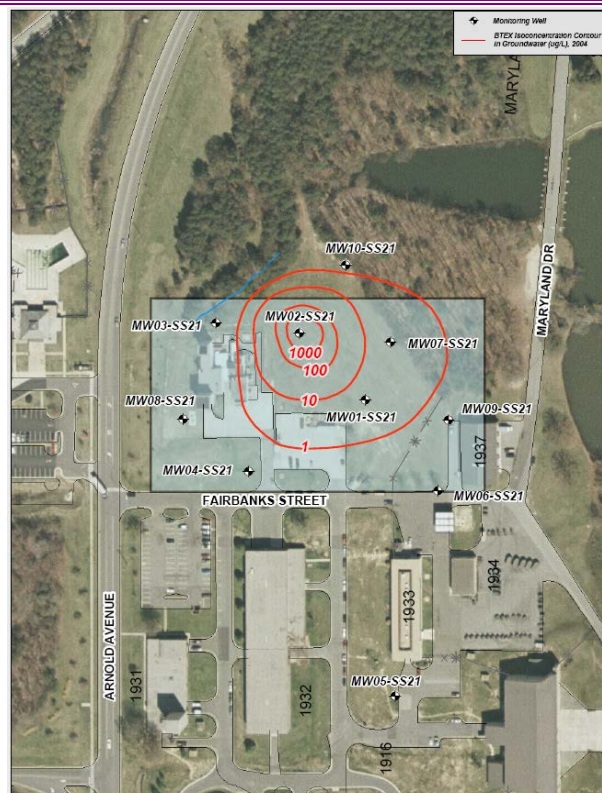


Figure 1: SS-21 Site Map with BTEX Plume

Program (OCP) closed the case and directed Andrews AFB to abandon the wells. The site has been cleared for commercial/industrial land use.

The past schedule for this site was:

Remedial Investigation (RI)	5/2003 (Complete)
Feasibility Study (FS)	5/2003 (Complete)
Proposed Plan (PP)	7/2006 (Complete)
Record of Decision (ROD)	7/2006 (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)	7/2006 (Complete)
Site Closure (SC)	7/2006 (Complete)