

CAR CARE CENTER (BUILDING 1568)

TU-24

Joint Base Andrews

April 2022

BACKGROUND

The Car Care Center, TU-24 (formerly known as AOC-24) is located on F Street near the Main Gate of Joint Base Andrews (JBA). From approximately 1953, the Car Care Center operated as a gas station with three service bays and two fuel islands. The fuel islands were removed in 1980. The Car Care Center is currently an Army and Air Force Exchange Service (AAFES) automobile maintenance and repair shop.

In the early 1980s, the three 10,000-gallon underground storage tanks (USTs) were pumped dry and abandoned in-place by filling them with sand. Two waste oil USTs and a fuel oil UST were removed circa 1986 and replaced with an above-ground storage tank (AST). A geophysical survey performed in 2003 indicated the presence of seven additional 1950s-era USTs adjacent to the building.

The past schedule for this site was:

Remedial Investigation (RI)	4/2007 (Complete)
Feasibility Study (FS)	4/2007 (Complete)
Proposed Plan (PP)	4/2007 (Complete)
Record of Decision (ROD)	4/2007 (Complete)
Remedial Design (RD)	N/A
Remedial Action-Construction (RA-C)	4/2007 (Complete)
Remedy in Place (RIP)	4/2007 (Complete)
Remedial Action-Operation (RA-O)	N/A
Response Complete (RC)	4/2007 (Complete)
Site Closure (SC)	9/2011 (Complete)

CHALLENGES

The investigations and remedial actions have been completed and the site is closed.

PERFORMANCE BASED APPROACH

The identified USTs and the contaminated soils associated with the tanks were removed from the site between 2004 and 2005. Over 2,248 tons of petroleum-impacted soil was excavated from the site as well as thousands of gallons of petroleum-impacted groundwater. Oxygen Release Compound (ORC) was placed in the excavations prior to backfilling and injections of ORC also occurred down gradient of the excavations.



Figure 1: TU-24 Site Map (Source: URS 2005)

ORC stimulates the naturally occurring microbial communities in the soil which consume petroleum constituents. Groundwater monitoring at the site displayed a steady decline in contaminant levels.

The remedial action at site TU-24 was successful and Remedies in Place (RIP) was achieved in 2007. This site is closed, and groundwater monitoring wells were properly abandoned. One well, MW04-1568, remains at the site as part of the base-wide groundwater monitoring well network. No land use restrictions.

RISK DRIVERS

Contaminants: Petroleum constituents

Media: Groundwater and subsurface soil

Exposure Pathways Completed: Construction workers exposed during excavation activities

Drainage: Meetinghouse Branch

Current Land Use/Surface Cover: Industrial

Reasonably Anticipated Land Use: Industrial

Relative Risk: NR