

1.0 Introduction

This Final Report has been prepared by Shaw Environmental, Inc. (Shaw) for the U.S. Army Corp of Engineers (USACE)- Omaha District and is intended to summarize the work performed at AOC #2 of the former Schenectady Army Depot – Voorheesville Area (SADVA) performed by Shaw from September 19, 2005 through October 25, 2006. The work was performed under Contracts DACA45-98-D-0003, Task Order No. 105 and DACA45-03-D-0022, Task Order No. 45. The work at the site spanned two construction seasons due to inclement weather at the end of 2005.

1.1 Site Description and Background

The former Bivouac Area/Post Commander's Landfill (AOC 2) is located west of County Route 201. This 40.6-acre parcel was part of the SADVA from its inception until its sale to a private landowner in 1963. Historical information indicates the parcel was used as a transit troop bivouac area and officer's family housing area in the 1950s and 1960s. Sometime after purchasing the property in 1963, the new owners noticed a disposal area (later referred to as the Post Commander's Landfill). The existence of the landfill was subsequently reported to the New York State Department of Environmental Conservation (NYSDEC).

AOC 2 presently has a residence located on the property; this residence dates back to the DoD's use of the property. The residence is located about 300 yards from the area thought to be the Post Commander's Landfill. A small barn, a farm pond, and small sheds are presently located on the property, but were not part of the DoD use of the site. These structures are located 200 yards or more from the Post Commander's Landfill area.

1.2 Site Location

The former SADVA is located south of NYS Route 146 and east of County Route 201, approximately one-quarter mile southeast of the Village of Guilderland Center, New York. The former SADVA is approximately 3 miles north of Voorheesville and 3 miles west of Guilderland (**Figure 1-1**). AOC 2 is the former Bivouac Area/Post Commander's Landfill located west of County Route 201 (**Figure 1-2**).

1.3 Preliminary Activities

1.3.1 Engineering Evaluation/Cost Analysis

Conditions at the site indicate the area was used for waste disposal, including the disposal of drums, glass bottles of liquid and pills/tablets and other waste in a portion of the 40-acre site. The wastes appear to have been disposed in trenches dug into the soil and covered over with a thin soil layer. Many of those areas were devoid of vegetation, or have stressed vegetation covering them. Visual evidence of the disposal areas includes the presence of small vials containing pills that are exposed sporadically around the area. An area of ground where standing water has been observed during rainy periods has produced discolored soil and runoff.

The waste characterization results determined during the preparation of an Engineering Evaluation/Cost Analysis (Parsons 2005) showed the presence of characteristically hazardous wastes at AOC 2. Leaking drums were found to contain a material that is both flammable and hazardous, as they exhibited the toxic characteristics for benzene. Glass bottles containing a red liquid were also found to contain a solvent-like material that is classified as flammable. Hazardous substances found in these bottles and other wastes onsite include volatile organic compounds (VOCs, semivolatile organic compounds (SVOCs) and metals.

1.4 Project Organization

The following organizations participated in the execution and oversight of the remedial work performed at AOC 2 of the former Schenectady Army Depot:

- U.S. Army Corps of Engineers – New York District
- U.S. Army Corps of Engineers – Omaha District
- New York State Department of Environmental Conservation
- Shaw Environmental

Table 1 provides the key contact information for the parties responsible for the design, oversight and execution of the project.