

EXECUTIVE SUMMARY

This Analytical Data Report (ADR) presents a summary of physical and analytical data collected during field sampling and investigation efforts within Operable Units (OUs) 5 and 12, located at Hill Air Force Base (Hill AFB), Utah. Data presented in this ADR were collected between 16 February 2002 and 28 February 2003 as part of the ongoing Remedial Investigation/Feasibility Studies (RI/FS) for OUs 5 and 12. Operable Unit 5 is located in the northwest region of Hill AFB and comprise soil and groundwater beneath the Tooele Army Rail Shop (TARS), the Zone 16 Complex, the former Wastewater Treatment Plant, and off-Base areas beneath the cities of Sunset, Clinton, and Roy, where contaminated groundwater has migrated from on-Base sources. Operable Unit 12 consists of contaminated soil and groundwater in the Aspen Avenue debris area where buried drums have been found, north-northwest of the former Wastewater Treatment Plant area, and contaminated groundwater beneath the City of Roy and the extreme northeast corner of the City of Sunset.

Various field investigation programs were conducted for the OUs 5 and 12 RI/FS process, including monitoring well and extraction well installation and sampling, Cone Penetration Testing (CPT) and direct-push groundwater sampling, groundwater depth measurements, soil borings, surface soil sampling, residential sampling, soil-gas sampling, aquifer testing, in-situ permeability testing, and settlement marker installation. The field and analytical results associated with these field programs are documented in this ADR. Remedial Investigation reports for OU 5 and OU 12 will follow this ADR, summarizing and interpreting the findings of the 2002 RI/FS investigation.