



## Carswell/Plant 4

# FINAL RCRA FACILITY INVESTIGATION REPORT SWMUs 16, 33, 34, 39, 42, AND AOCs 6 AND 15

Restoration Advisory Board Executive Summary #21 • August 10, 2000

## INTRODUCTION

Naval Air Station Fort Worth Joint Reserve Base (NAS Fort Worth JRB), formerly Carswell Air Force Base, is in the process of planning and conducting activities for the identification, remediation, and closure of contaminated sites at the base through the Installation Restoration Program (IRP). The IRP is the primary mechanism of the Department of Defense for environmental response actions on U.S. Air Force installations. IRP activities are governed by provisions of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), the Resource Conservation and Recovery Act (RCRA), and other applicable Federal and state regulations. The IRP at NAS Fort Worth JRB is being conducted through the combined efforts of the Air Force Center for Environmental Excellence (AFCEE) and the Air Force Base Conversion Agency (AFBCA).

## PROJECT BACKGROUND

A RCRA Facility Investigation (RFI) was conducted on 13 solid waste management units (SWMU) and 2 areas of concern (AOC) located throughout the NAS Fort Worth JRB installation (Figure 1). The SWMUs and AOCs included in this RFI served mainly as waste accumulation areas (WAA) that stored hazardous waste before it was either disposed of in landfills, reused on base, or processed through the

Defense Reutilization and Marketing Office (DRMO) for off-base recycling or disposal. This RFI is required by the Base's RCRA hazardous waste permit (HW-50289), which was issued by the Texas Natural Resource Conservation Commission (TNRCC).

The initial phase of the RFI was conducted at the 13 SWMUs and 2 AOCs during May and June of 1999 in an effort to obtain closure of the sites under the TNRCC Risk Reduction Standard (RRS) program. As a result of the initial field investigation, 9 of the 16 sites require further investigation and/or remediation before closure may be requested. These sites, including SWMUs 5, 6, 11, 12, 31, 32, 36, 51, and 61, are under an ongoing investigation, the results of which will be presented under separate cover at a later date. The remaining seven WAAs, including SWMUs 16, 33, 34, 39, and 42 and AOCs 6 and 15, are the subject of this RFI report. The locations of these seven SWMUs and AOCs in relation to the Base are presented in Figure 1.

## RCRA FACILITY INVESTIGATION STRATEGY

The RFI was designed and conducted to determine if a release from any of the SWMUs or AOCs occurred and, if contamination was encountered, the nature and extent of the contamination. In order to determine if the subject SWMUs and AOCs present a threat to human health or the environment,

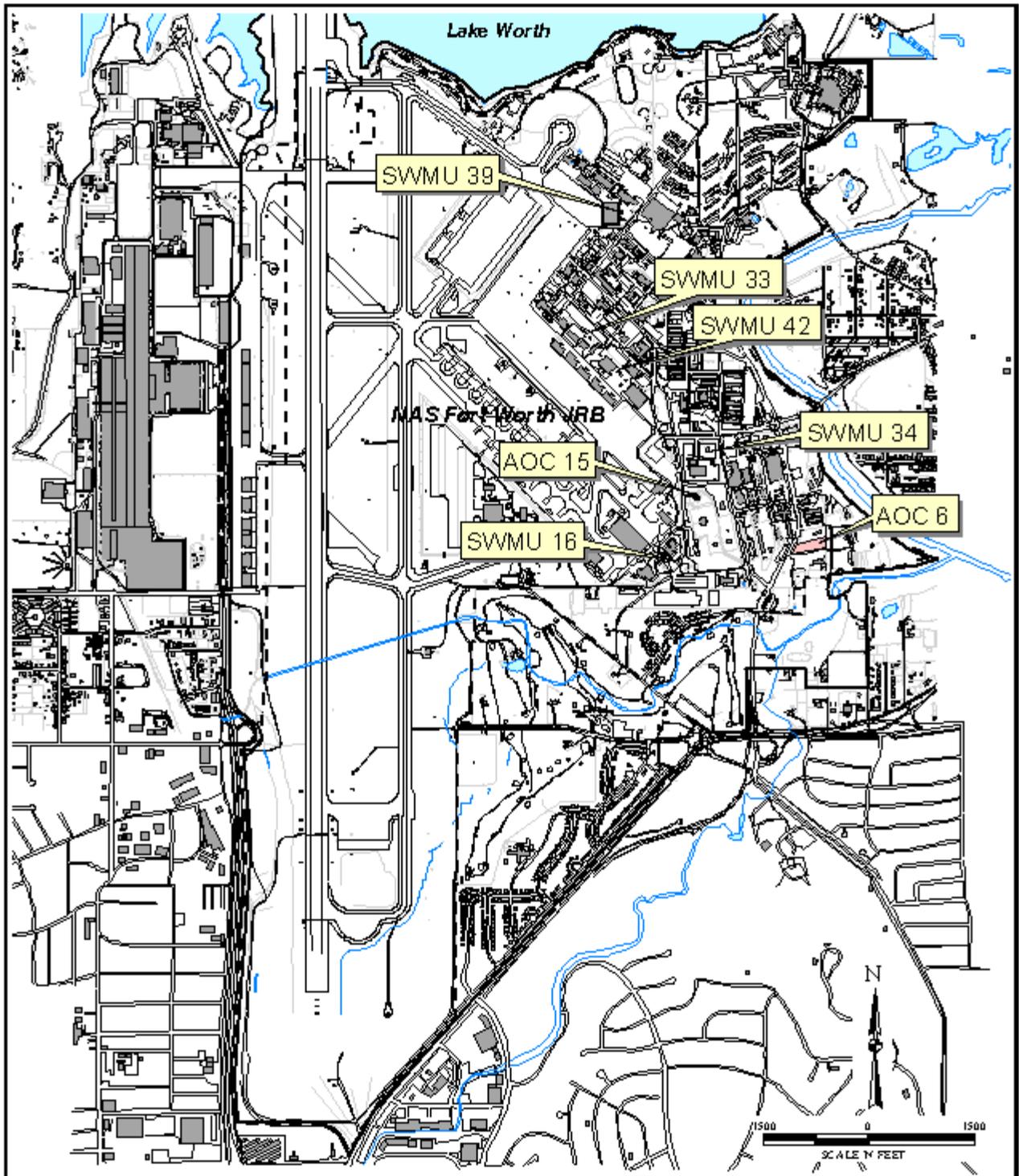
essential information regarding each site was obtained. This information includes the lithology of soils to the top of the water table beneath each site, the nature of wastes stored at each site, and an assessment of potential contaminant impacts on the quality of soil within and around each SWMU/AOC.

Field tasks included advancing continuous-core direct push technology (DPT) soil borings in order to collect soil samples at each site. Soil samples were collected from each soil boring in 5-foot intervals from the ground surface to the top of the water table in order to determine the nature and extent of any surface and subsurface contamination. No evidence of contamination was encountered at the subject sites during the initial soil investigation, and as a result, no further sampling will be conducted.

This RFI Report demonstrates that SWMUs 16, 33, 34, 39, and 42 and AOCs 6 and 15 pose no significant risk to human health or the environment and provides justification for no further action (NFA) and closure under RRS 1.

### For More Information:

*If you would like more information, please see our website at <http://www.afcee.brooks.af.mil/er/carswell/nasfw/> or contact Michael Dodyk, HQ AFCEE, at (817) 782-7167 or via e-mail at [Mike.Dodyk@fwh.afres.af.mil](mailto:Mike.Dodyk@fwh.afres.af.mil).*



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 Revised: 07/19/00 ap  
 Source: Hydro Geologic, Inc.—GIS Database



**Legend**

- - - NAS Fort Worth JRB Boundary
- Former Caswell AFB Boundary

**Figure 1**

**SWMU and AOC Locations**