



Carswell/Plant 4

FINAL RCRA FACILITY INVESTIGATION REPORT SWMUs 11, 32, 36, and 51

Restoration Advisory Board Executive Summary #27 • May 10, 2001

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 14 solid waste management units (SWMU) and 2 areas of concern (AOC) located throughout the NAS Fort Worth JRB installation. The SWMUs and AOCs included in this RFI served mainly waste accumulation areas (WAA) that stored hazardous waste before it was 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 subject SWMUs 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, underwent a Phase II investigation in May 2000. This report discusses SWMUs 11, 32, 36, and 51. Their locations in relation to the base are presented in Figure 1. SWMU 11 is located adjacent to Building 1617; SWMU 32 is located near Building 1410; SWMU 36 is located between Buildings 1191 and 1231; and SWMU 51 is located near Building 1190.

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

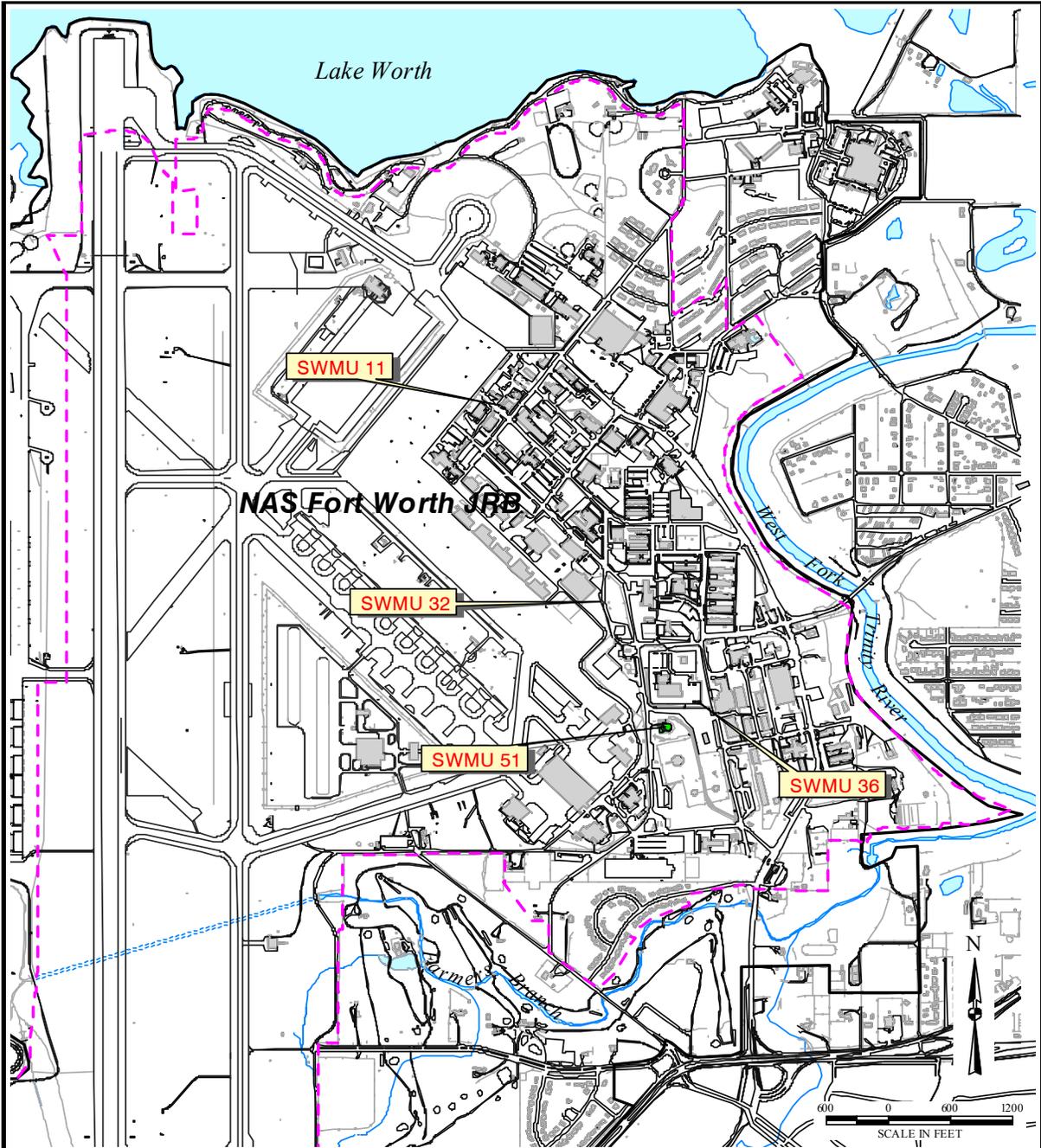
includes the lithology of soils to the top of the water table beneath each site, the nature of wastes stored at each site, and an assessment of potential contaminant impacts on the quality of soil within and around each SWMU/AOC.

Phase I field tasks included advancing continuous-core direct push technology (DPT) soil borings in order to collect soil samples at each site. The Phase II investigation included additional soil sampling as well as the installation and sampling of additional wells. Two rounds of groundwater sampling were conducted.

No evidence of contamination was encountered at SWMUs 11 or 36 and, as a result, no further sampling will be conducted. Some evidence of release was encountered at SWMUs 32 and 51. Therefore, this RFI Report recommended closure under RRS 1 for SWMUs 11 and 36 and closure under RRS 2 for SWMUs 32 and 51.

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@carswell.af.mil.



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 Created: 03/11/99 jbelcher
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 ArcView GIS Database, 2001



Legend

- - - NAS Fort Worth JRB Boundary
- Former Carswell AFB Boundary
- Solid Waste Management Unit (SWMU)

Figure 1

**SWMU Locations
 NAS Fort Worth JRB, Texas**