Carswell/Plant 4

Limited RCRA Facility Investigation of Solid Waste Management Units 45, 54, and 55

Restoration Advisory Board Executive Summary #24 ● November 2, 2000

INTRODUCTION

Naval Air Station Fort Worth Joint Reserve Base (NAS Fort Worth JRB), formerly Carswell Air Force Base (AFB), 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 (DoD) 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).

WORK PLAN OBJECTIVES AND APPROACH

A limited RCRA Facility Investigation (RFI) will be conducted at Solid Waste Management Units (SWMU) 45, 54, and 55 at NAS Fort Worth JRB in an effort to identify and characterize the possible presence of hazardous constituents related to past site operations. The overall objective of this project is to confirm the presence or absence of contamination at each SWMU under the Texas Natural Resource Conservation Commission (TNRCC) Risk Reduction Standards program. This RFI is considered to be limited in scope because of the low probability that contamination resulting from SWMUs 45, 54, and 55 has occurred.

SWMU 45 is listed as a Waste Oil Tank Vault associated with the Oil/Water Separator serving Building 1027 (Figure 1). To date, no information can be obtained to support the existence of SWMU 45. The design drawings for the Oil/Water Separator indicate that it is a self-containing unit that does not have a separate waste oil tank/vault. The primary focus of this limited RFI will be to confirm the existence of SWMU 45 and, if the unit exists, to sample surrounding soil and groundwater, as necessary.

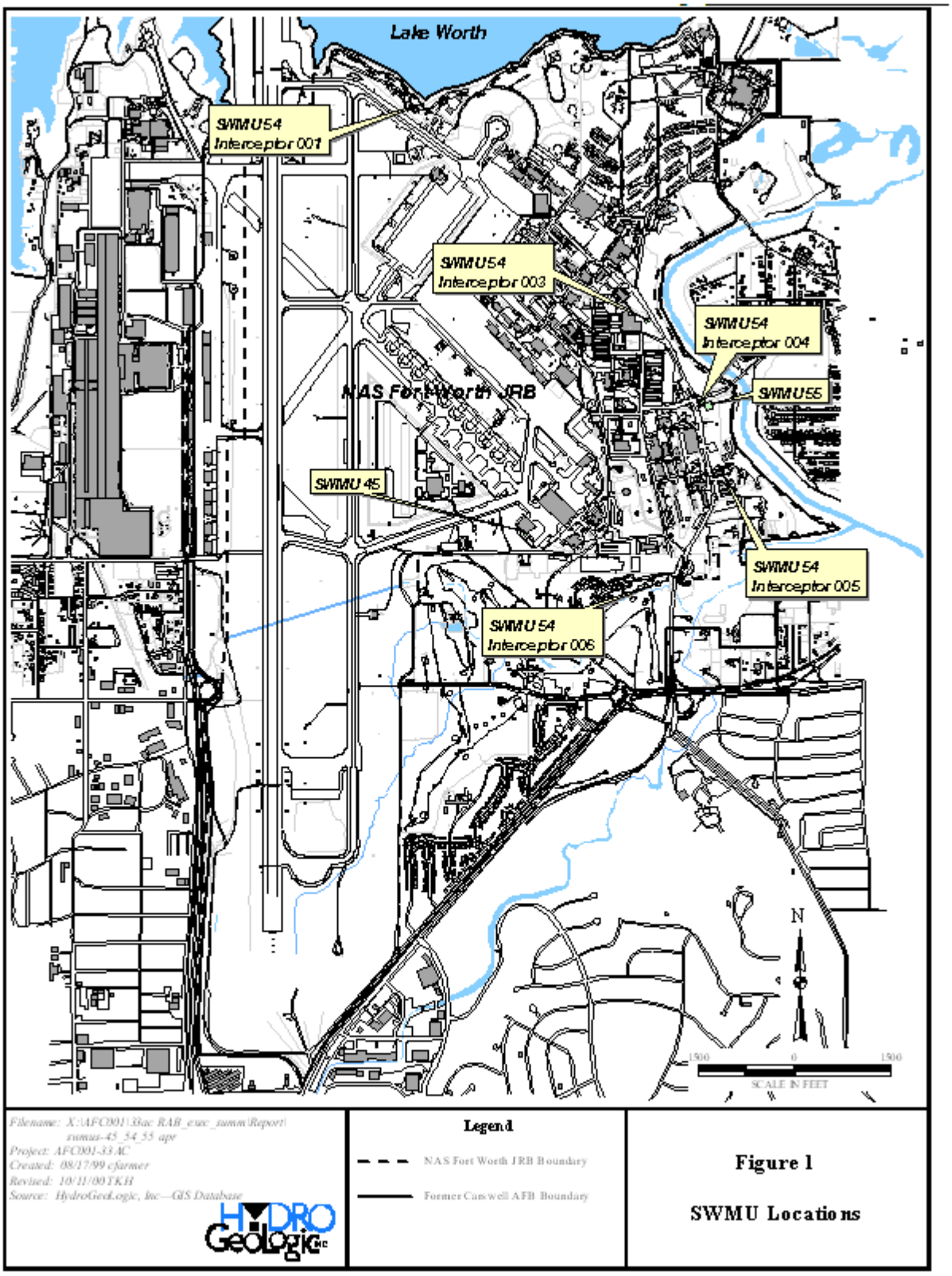
SWMU 54 consists of five storm water interceptors basewide (Figure 1). Interceptor 004 is in close proximity to SWMU 55, the East Gate Oil/Water Separator. Therefore, this RFI will be conducted on these two units in concert, and if no contamination is identified, no further investigation of the other four storm water interceptors will be conducted.

Although SWMU 55 has not been operational for several years, the contents of the unit (likely resulting from precipitation) will be sampled, characterized, and removed for proper disposal. After the contents have been removed, the unit will be inspected for integrity. Soil borings will be advanced in the vicinity of Interceptor 004 and SWMU 55 to determine if any contamination resulting from these units has impacted the surrounding soils. If necessary, a groundwater investigation also may be conducted based on the soil results. Surface water and sediment samples will be collected from the stream adjacent to Interceptor 004 and SWMU 55.

When delineation of the contamination is complete at each of the sites, the data will be compiled and presented in an RFI Report with a discussion of the applicable TNRCC regulation that is appropriate for closure at each SWMU.

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.


Lake Worth
SWMU 54
Interceptor 001
SWMU 54
Interceptor 003
SWMU 54
Interceptor 004
SWMU 55
NAS Fort Worth JRB
SWMU 45
SWMU 54
Interceptor 005
SWMU 54
Interceptor 006
N
1500
0
1500
SCALE IN FEET
Filename: X:\AFC001\Biac RAB_exec_summ\Report\
swmus-45_54_55.apr
Project: AFC001-33AC
Created: 08/17/99 cfarmer
Revised: 10/11/00 TKH
Source: HydroGeoLogic, Inc—GIS Database
HYDRO GeoLogic
Legend
NAS Fort Worth JRB Boundary
Former Carswell AFB Boundary
Figure 1
SWMU Locations