



Carswell/Plant 4

SITE CLOSURE REQUEST REPORT FOR AREA OF CONCERN 1

Restoration Advisory Board Executive Summary #17 • May 11, 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 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).

FINAL SITE CLOSURE REQUEST OBJECTIVES

A Final Site Closure Request Report for Area of Concern (AOC) 1 was completed under the direction of the Texas Natural Resource Conservation Commission (TNRCC) Petroleum Storage Tank (PST) Division. AOC 1 is identified as the Former Base Gas Station and Former Base Service Station. In a letter dated September 1997, the PST division agreed with conclusions and recommendations based on a Plan B Risk Assessment conducted at AOC 1. In this letter, a work plan was requested for

groundwater monitoring and surface water sampling. As requested by the TNRCC, four quarters of groundwater sampling and one surface water sampling event were completed by January 1999. The four quarters of groundwater monitoring indicated two separate BTEX (benzene, toluene, ethylbenzene, and xylene) contaminant plumes.

The groundwater contaminant plumes exhibited a stable or non-increasing trend; similar concentrations for BTEX were noted in groundwater over each of the four sampling events. The data was presented in a Final Site Closure Request (TNRCC-0028) and submitted to the TNRCC in November 1999.

Regulatory comments to the Site Closure Request were received in January 2000 stating that the elevated concentrations found in the contaminant plume are too close in proximity to the West Fork of the Trinity River which is considered a public drinking water supply. This letter requested further delineation of groundwater contamination and continued groundwater monitoring.

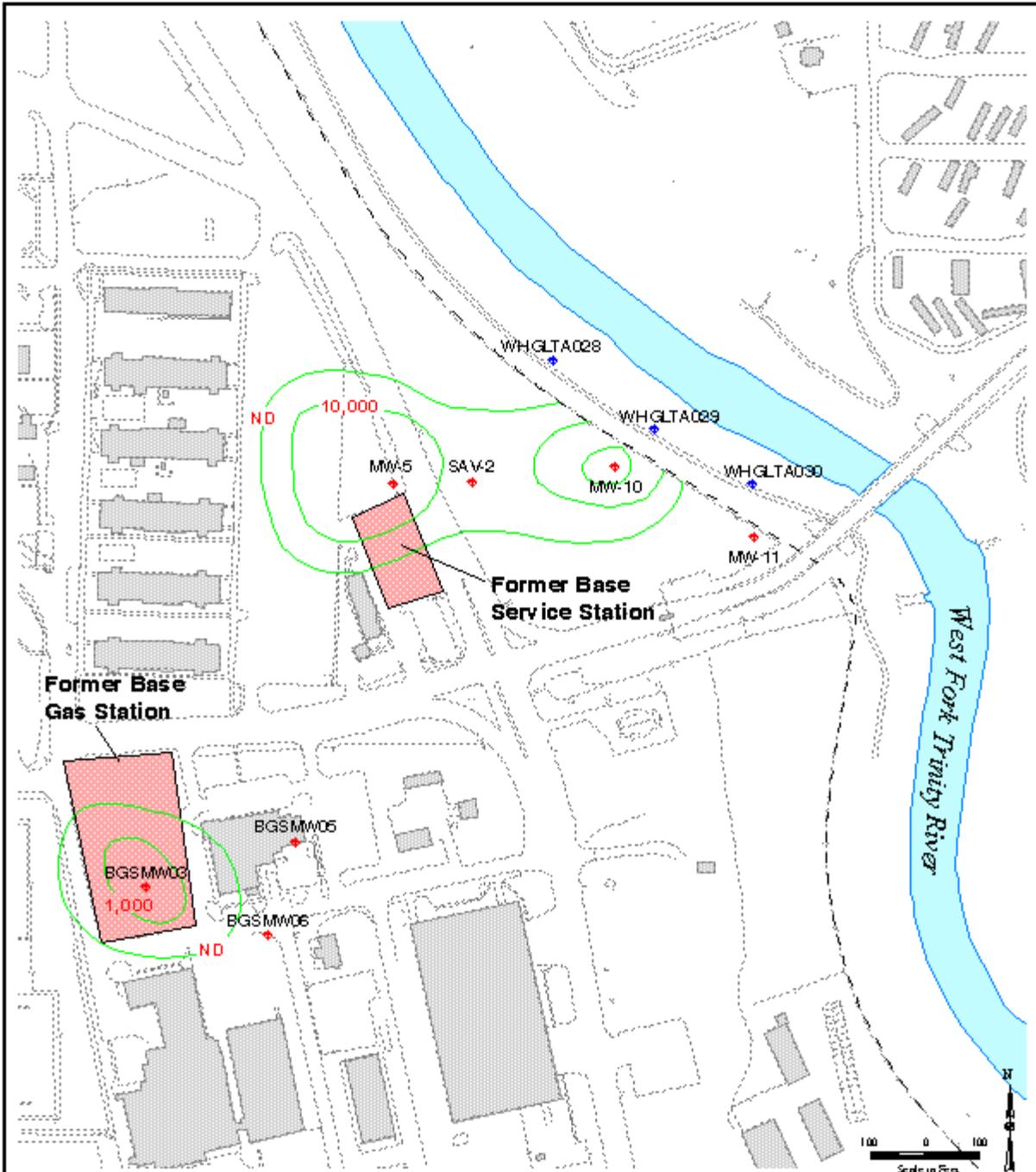
A work plan was prepared and submitted to the TNRCC detailing the strategy for the requested additional sampling, which included the installation of three new wells along the West Fork of the Trinity River and the continued sampling of seven existing monitoring wells for volatile organic compounds (VOC) by EPA Method SW8260B. The location of the new wells is off the base property and on property owned and managed by the Tarrant County Water District. Approval for access to the property was

requested and approved by the Tarrant County Water District office in March 2000. Figure 1 presents the locations of the proposed new wells and the proposed groundwater sampling locations.

Sampling of the seven existing wells on base will be conducted in two rounds over a one-year period to monitor the stability of BTEX contamination in groundwater. The first round of sampling was conducted in April 2000, and the second round will take place in October 2000. The three new wells adjacent to the river will be installed in May 2000. The first round of groundwater samples from the new wells will be collected this month, and the second round of sampling from the new wells will be performed in conjunction with the sampling of the existing wells in October 2000. At the completion of the sampling events, the data will be evaluated for the next appropriate action and presented in an annual groundwater monitoring report.

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.



File Name: X:\HFC001\26661.Rpt
 Vg: J.dgr
 Project: AF001-2666
 Created: c:\jamer\0272299
 Revised: 08/27/00 C.F.
 Source: MGL ArcView Database



Legend

- ◆ Proposed Monitoring Well Locations within the Fort Worth Floodway Adjacent to NAS Fort Worth JRB, Texas
- ◆ Proposed Semiannual Monitoring Well Locations
- Former USI and ASI Locations
- Total BTEX Concentration Boundary July 1998 (µg/L)
- ND Not Detected

Figure 1
Proposed Monitoring Well Installation and Semiannual Sampling Locations at AOC 1 NAS Fort Worth JRB, Texas