

Fact Finder

Environmental Update

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PROGRESS ON CLEANUP FOR OPERABLE UNIT THREE, THE NAVAL AVIATION DEPOT (NADEP)

Introduction

The Installation Restoration Program is an ongoing Department of Defense program conducted at military bases nationwide to identify and address contamination and potential sites of contamination resulting from past waste disposal practices. This fact sheet is one in a series informing interested citizens about the environmental investigations and remedial actions at NAS Jacksonville.

This fact sheet presents the background and interim remedial actions on two sites, referred to as Potential Sources of Contamination (PSC) 48 and Building 780. The Navy has completed an Engineering Evaluation and Cost Analysis (EE/CA) at these two sites. The EE/CA format uses regulatory guidelines that allows quicker, more cost-effective cleanups for various PSCs at the station. This is not the final cleanup action.

The cleanup plans for these two sites were available for public review and

comment from August 25 through September 23, 1995.

This fact sheet provides background information about the sites and a brief summary of the cleanup methods selected.

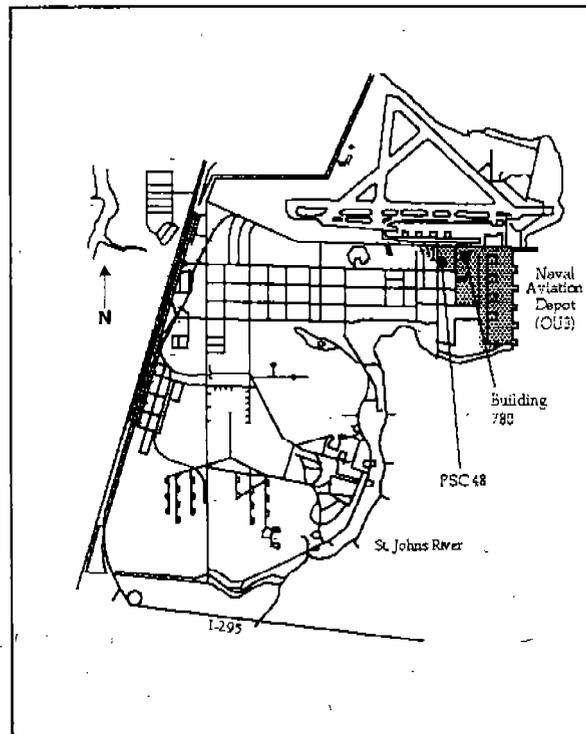


Figure 1: Operable Unit 3, highlighting PSC 48 and Building 780.

For more information about the environmental cleanup at NAS Jacksonville, call the Public Affairs Office at (904) 772-4032 or the Installation Restoration Manager at (904) 772-2717, ext. 5. A public information repository is also available at the Charles D. Webb Wesconnett Branch of the Jacksonville Public Library, 6887 103rd Street, Jacksonville, FL 32210, (904) 778-7305.

Location

PSC 48 and Building 780 are on the northeastern side of the base. (See Figure 1) The St. Johns River is located to the south and east, with NAS taxiways and runways located to the north.

Site Background

PSC 48, also known as Building 106, has housed the Base Dry Cleaners since 1962. The older dry cleaning machines, used on base until 1990, required storage of perchloroethylene, a dry cleaning chemical, in 150-gallon storage tanks. In 1990, the older dry cleaning machines were replaced with new machines that allow for smaller amounts of dry cleaning chemicals to be poured directly into a storage compartment within the machine. When the older machines were removed, leakage and contamination from the storage tanks was discovered in the surrounding soil and groundwater.

In Building 780, chemicals were used to strip radium paint from aircraft and aircraft parts, as well as to degrease mechanical parts in 1970's and 1980's. Spent jet fuel, paints and solvents from the drip drying of parts eventually contaminated the surrounding soil and groundwater.

The Cleanup Process

The cleanup team has recommended the following cleanup procedures:

For PSC 48, air sparging and soil vapor extraction have been recommended for this site. Air sparging is a process of blowing air into the groundwater. This provides for better air flow. This air flow creates air bubbles or channels that allow the contamination, in vapor form, to be "vacuumed up" for further treatment.

Soil vapor extraction captures the contaminated "vapors" by vacuuming them and treating them in a carbon, or charcoal, filter unit.

For Building 780, both soil vapor extraction and groundwater extraction, or "pump-and-treat," have been recommended. Groundwater extraction is where groundwater is collected in wells, then pretreated through a filter that uses air to remove the contaminant. The treated water is then discharged into the NAS Jacksonville sanitary sewage system. The remaining contaminants and vapors are heated and burned.

Time Frame and Funding

The cleanup team is creating the work plans for the cleanup design. Funding to carry out the work plans are expected in fiscal year 1996.

Available Information

Information on these sites, as well as all materials regarding the environmental cleanup at NAS Jacksonville are available for public review at the Charles D. Webb Wesconnett Branch of the Jacksonville Public Library, 6887 103rd Street.

Library hours are Monday-Wednesday from 10 a.m. to 9 p.m., Thursday-Saturday from 10 a.m. to 6 p.m., and Sunday from 1 to 5 p.m.

Written Comments/Mailing List

If you wish to contact the Navy regarding this cleanup method, or if you would like to be on the *Stakeholder's Report* newsletter mailing list, please contact:

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