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NAS CECIL FIELD, FL
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FACT SHEET 12 INTERIM REMEDIAL ACTION AT OIL DISPOSAL AREA NORTHWEST
OPERABLE UNIT 2 (OU 2) SITE 5 NAS CECIL FIELD FL
7/1/1995
ABB ENVIRONMENTAL SERVICES INC



NAS CECIL FIELD

Installation Restoration Program

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FACT SHEET 12:

Interim Remedial Action at the Oil Disposal Area Northwest, Site 5

The Installation Restoration (IR) Program is a Department of Defense program conducted at bases nationwide to identify and address contamination resulting from past practices, which do not meet today's environmental standards. This fact sheet is one in a series informing interested citizens of IR Program activities at NAS Cecil Field. Fact sheets will be produced at program milestones and in response to other items of public interest. Distribution is coordinated through the Public Affairs Office at NAS Cecil Field, telephone: (904) 778-6055.

INTRODUCTION

At NAS Cecil Field every effort is being made to quickly clean up sites identified by the Installation Restoration Program. Four sites on the base were chosen for early cleanup programs, referred to as Interim Remedial Actions. Site 5, the Oil and Sludge Disposal Area Northwest, is discussed in this Fact Sheet. The Navy will use excavation and disposal combined with biological treatment to clean up soil at Site 5. (Biological treatment will include mechanically mixing soil while adding water and nutrients to enhance the biological breakdown of fuels and solvents.) This

method of cleanup is described in this fact sheet. Information on three other sites chosen for Interim Remedial Action have been published in similar fact sheets. Site 11 was discussed in Fact Sheets 2, 4, and 11; Site 16 in Fact Sheets 3 and 5; and Site 17 in Fact Sheets 7 and 9. Additional information on Site 5 is provided in Fact Sheet 8.

DESCRIPTION OF SITE 5

Site 5 is located in a wooded area in the southwest corner of the base near Perimeter Road, approximately one-quarter mile from Lake Fretwell (See Figure 1). The area was used during the 1950s as a disposal area for unknown quantities of waste oils and fuels. The site was an open, unlined pit, approximately 100 feet in diameter into which liquid wastes were reportedly drained and allowed to seep into the ground or evaporate. After 1969, disposal operations ceased and the pit was filled with soil.

INTERIM REMEDIAL ACTION

Interim Remedial Actions are often taken to prevent further environmental damage, and are not necessarily the final cleanup actions. The interim action selected for Site 5 includes different steps for treating soil containing fuels and solvents and an oily liquid (called free product) containing low levels of polychlorinated biphenyls (PCBs), as described below:

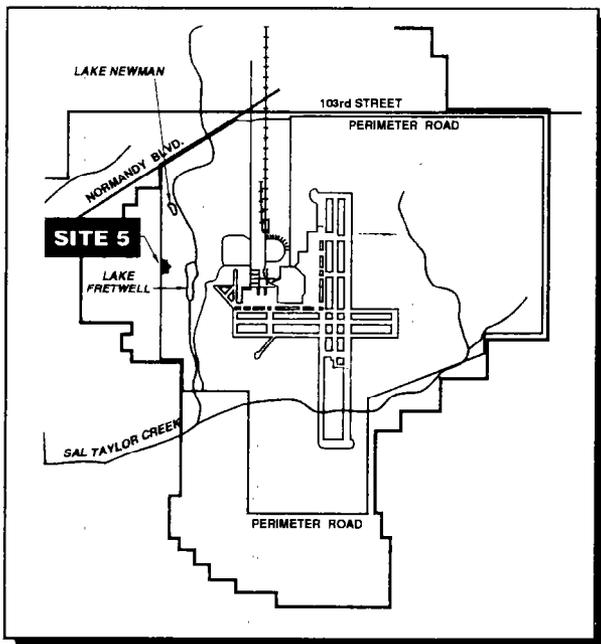


Figure 1. Location of Site 5

The Interim action for fuel and solvent contaminated soil includes:

- Excavating and treating soil in a biological treatment facility constructed onsite;
- Placing the clean, treated soil back into the pit.

The interim action for treatment of free product includes:

- Excavating free product from saturated soil;
- Separating free product from the soil;
- Collecting free product and disposing off-site at a licensed facility.

DESCRIPTION OF THE CONSTRUCTION SITE

During cleanup, Site 5 will be posted with signage and enclosed by a fence to prevent unauthorized access. The construction site will include a biological treatment facility, and a soil stockpile area, in addition to the excavation area (see Figure 2).

HEALTH AND SAFETY PRECAUTIONS

Protection measures for cleanup personnel will include special overalls, gloves, and shoe covers. In addition, cleanup personnel will monitor the quality of the air to assess the need for additional control of airborne contaminants during the cleanup activities. If necessary, cleanup personnel will use an air purifying device, called a respirator, while working at the site.

DESCRIPTION OF ACTIVITIES

Field activities include:

- Clearing the site;
- Constructing the biological treatment facility and free product drainage pad;
- Excavating and treating soil;
- Removing free product from saturated soil;
- Transporting free product to treatment and

- disposal facilities located outside the base; and
- Restoring the site after the action is completed.

Additional activities may include construction of a soil stockpile area and transportation of PCB-contaminated soil to an off-site disposal facility.

1. Clearing

Clearing will consist of removing and disposing of designated trees and shrubs within the work area. All other trees, shrubs, and plants will be protected. Timber within the construction area will be harvested and sold.

2. Construction of Biological Treatment Facility and Drainage Pad

The biological treatment facility will consist of a lined treatment pad as shown in Figure 2. A drainage pad will be constructed to drain saturated soil excavated from the site. It will include an area from which free product can be collected for disposal.

3. Soil Excavation

Once the site has been cleared, the contaminated soil will be removed using excavation equipment. Approximately 16,300 cubic yards of soil will be removed and treated in the biological treatment facility. The extent of excavation will be determined by chemical analysis of soil samples from the excavation pit.

4. Soil Treatment

Biological treatment will include mechanically mixing the soil while adding water and nutrients to enhance the biological breakdown of fuels and solvents.

5. Free Product Removal

Soil saturated with free product will be excavated and placed on the drainage pad. The liquid will be collected, containerized and disposed of in an off-

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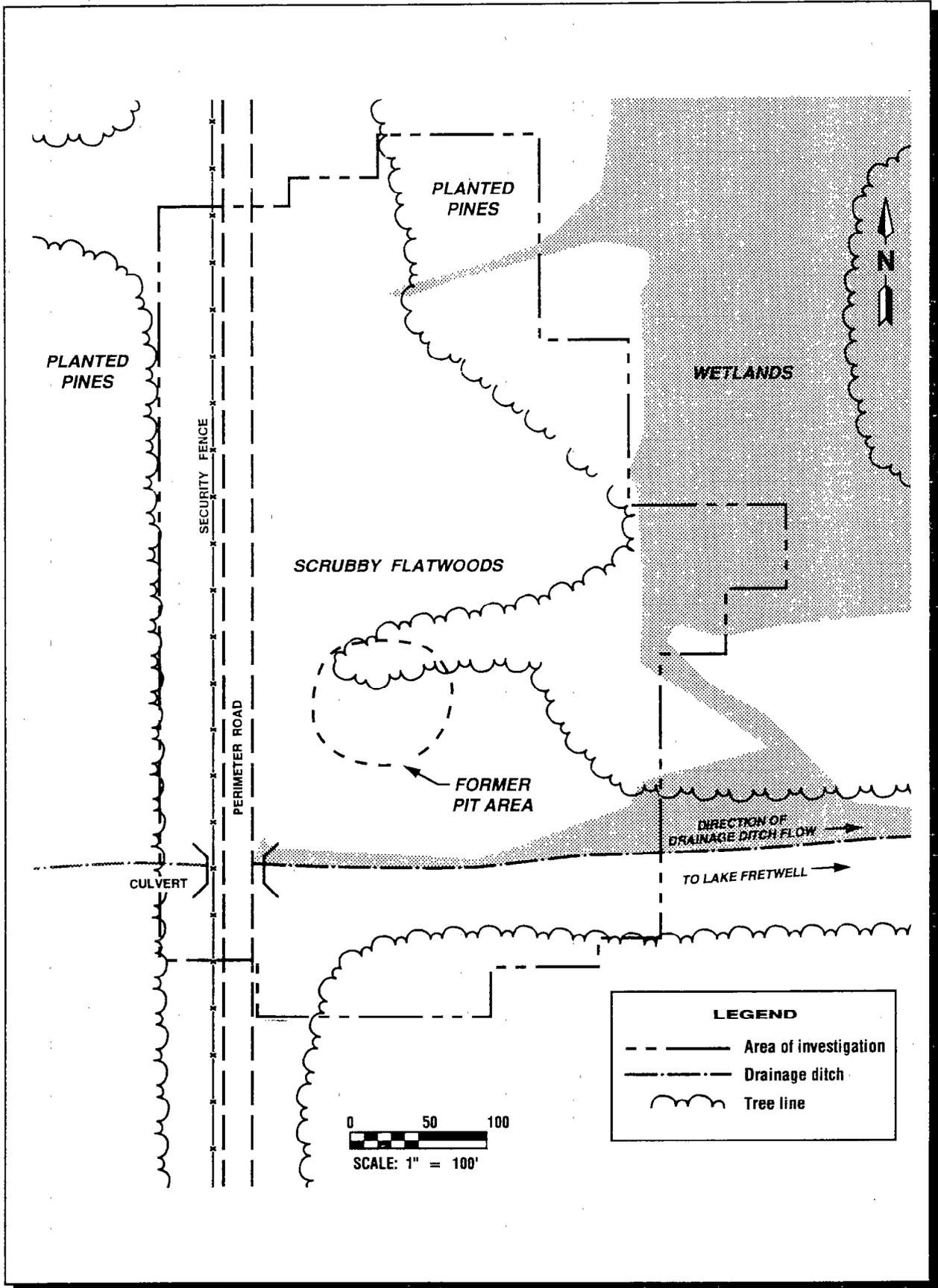


Figure 2. Site 5 Construction Area

site, licensed disposal facility. Free product drained from contaminated soil and soil containing PCBs will be transported to an off-site facility for treatment and/or disposal. The transporter will comply with all state and federal requirements for shipment of hazardous materials.

6. Site Restoration

Treated soil will be placed back into the excavation area and the site will be graded and seeded.

COMPLETION

The timeframe for cleanup at Site 5 is approximately 24 months. Cleanup efforts are scheduled for completion in 1997.

For More Information:

Information Availability. An Information Repository has been established at the Charles D. Webb Wesconnett Branch of the Jacksonville Public Library, 6887 103rd Street, Jacksonville, FL 32210, (904) 778-7305. This repository contains documents prepared in connection with Site 5, as well as other Installation Restoration Program information, is available for your review. Other documents may refer to Site 5 as Operable Unit 2.

Fact Sheets. For more information on activities at NAS Cecil Field or to receive additional fact sheets contact the Public Affairs Officer at (904) 778-6055.

Restoration Advisory Board (RAB). The public is invited to monthly RAB meetings. RAB meetings are held on the second Thursday of each month at 7 p.m. at the NAS Cecil Field Bachelors' Officers Quarters Complex. The purpose of the RAB is to bring together Navy representatives, regulatory officials, and community members to review environmental cleanup plans and actions at NAS Cecil Field. Established in October 1994, the 26-member RAB provides a two-way flow of communication between the community and NAS Cecil Field concerning the base's environmental restoration program before final cleanup decisions are made. For more information about the RAB, contact the NAS Cecil Field Public Affairs Office, (904) 778-6055.

Point of Contact. For further information or if you would like to be added to the mailing list, please contact Mr. Bert Byers, Public Affairs Officer, NAS Cecil Field, P.O. Box 111, Jacksonville, FL 32215-0111, (904) 778-6055.