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NAS WHITING FIELD
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INSTALLATION RESTORATION FACT SHEET NUMBER 3 FOR OUTLYING LANDING FIELD
BARIN NAS WHITING FIELD FL
10/1/1997
NAVFAC SOUTHERN

OLF Barin

Foley, Alabama

October 1997

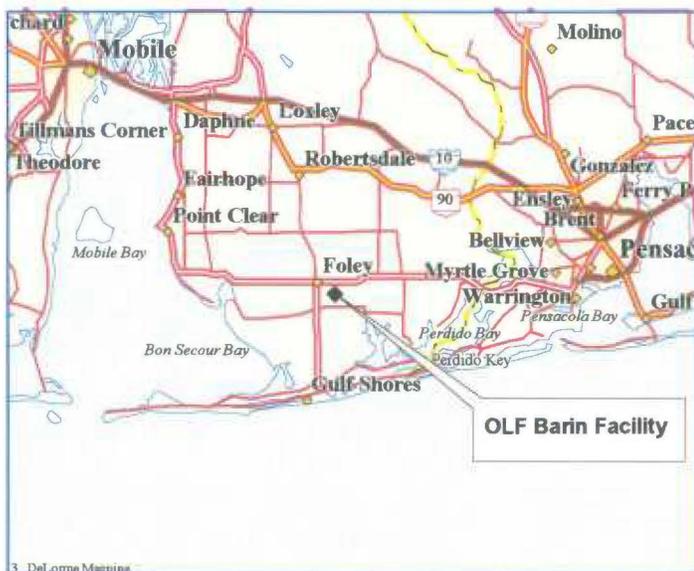
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Installation Restoration Program
Fact Sheet 3

This fact sheet is one in a series informing interested citizens about the Installation Restoration (IR) program being conducted at Outlying Landing Field (OLF) Barin in Foley, Alabama. The IR program is an environmental investigation and cleanup of military installations nationwide, organized to manage areas of contamination from past spills and waste disposal practices. The purpose of this particular fact sheet is to communicate events that have occurred since the last fact sheet was distributed in February 1995.

Overview

Outlying Landing Field (OLF) Barin is located 40 miles southeast of Mobile, Alabama, in Baldwin County, Alabama. It is approximately 2 miles east of Foley, Alabama, and 35 miles west of Pensacola, Florida. OLF Barin currently occupies approximately 490 acres, down from about 1,000 acres during the 1940s and 1950s. The majority of the facility is an air field with two active aircraft landing strips. A single onsite building is used for base operations and training. Several smaller buildings are used for equipment storage. The remaining undeveloped acreage is primarily maintained recreational areas, open grasslands, and pine tree plantations.



Site location map

OLF Barin is a command of Naval Air Station (NAS) Whiting Field in Milton, Florida, and provides an outlying landing strip for pilot training at NAS Whiting Field. The only personnel currently stationed at OLF Barin are a small contingent responsible for field operations and emergency response.

The Installation Restoration Program

Hazardous materials have been used, stored, and disposed of at OLF Barin to support the facility's mission over the last 50 years. These materials (including fuel and other petroleum products, solvents, and lubricants) were sometimes handled in ways that are unacceptable by today's stricter environmental standards. To address contamination resulting from these past practices, the Navy has conducted environmental studies and, if needed, cleanup activities at OLF Barin under the Department of Defense's Installation Restoration (IR) program. The Alabama Department of Environmental Management (ADEM) is working with the Navy on the OLF Barin IR program.

Summary of Previous Activities

1989 - Preliminary assessment (PA) to identify sites potentially affected by hazardous materials.

1991 - Site inspection (SI) to determine sites requiring in-depth investigation. SI findings identified 10 sites for further study, listed in Table 1.

1993 - Detailed remedial investigation (RI) to determine the nature and extent of contamination at the 10 sites. Environmental samples were collected and analyzed to obtain information about site conditions.

The results of these studies were presented in five technical memoranda. These reports assessed surface water, sediment, geologic and hydrogeologic, soil, and groundwater conditions and presented plans for additional investigations. A human health and ecological risk assessment was also done to identify potential risks to people or the environment, based on the amount and type of contaminants found at each site. All of these documents were reviewed by ADEM and were summarized in Fact Sheet #2.

Recent Activities

In May 1995, a field program was conducted at five sites to fill data needs identified in the technical memoranda. A subsequent Data Assessment report presented the results of this field program and of followup studies done in January 1996. Major findings and decisions regarding these sites included the following:

- **Site 19B:** Analytical data on four site contaminants will be used in a risk assessment and considered in future cleanup decisions.
- **Site 22B:** Lead contamination exists in soil to one foot below land surface, at levels above limits that protect human health and the environment. The areal extent of lead contamination requires further definition.
- **Site 24B:** Only petroleum-associated contamination was detected; cleanup is recommended at the firefighting training pit.
- **Site 25B:** Lead concentrations detected in surface soil do not exceed regulatory limits.
- **Site 26B:** No risks to human health or the environment were identified for current and potential future land uses.

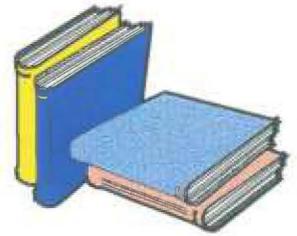


Table 1

Site #	SITE NAME	DECISION	STATUS
19B	Former Hangar Maintenance Area	No Further Action (9/30/97)	Removed underground storage tanks (USTs) and contaminated soil at the east and west wash racks. Approved by State of Alabama.
20B	Abandoned Underground Storage Tanks & Fuel Pit Area	No Further Action (9/30/97)	Abandoned the fuel lines, fuel pits, and lube oil tanks in place. Approved by State of Alabama.
21B	Rubble Landfill	No Further Action (7/24/95)	Approved by State of Alabama.
22B	Old Firefighting Demonstration Area	No Further Action	Approval pending.
23B	Drainage Ditch Leading to Sandy Creek	No Further Action (10/25/95)	Approved by State of Alabama.
24B	Abandoned Firefighting Training Area	No Further Action (10/28/96)	Removed burn pit and liner. Approved by State of Alabama.
25B	Machine Gun Butt Area	No Further Action (9/19/97)	Approved by State of Alabama.
26B	Abandoned Wastewater Treatment Plant	No Further Action (10/28/96)	Approved by State of Alabama.
27B	Uncontrolled Dumpsite	No Further Action (8/30/95)	Approved by State of Alabama.
28B	Fuel Pit Drainage Ditch	No Further Action (7/24/95)	Approved by State of Alabama.

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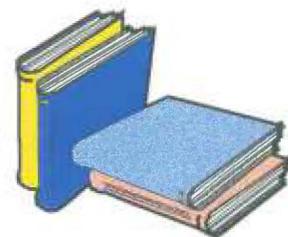


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Final Phase: Decision Documents

Reports documenting cleanup decisions have been developed for each site at OLF Barin. These documents are summarized in Table 1. As indicated on the table, no further action recommendations were made on all 10 study sites. These recommendations resulted from a thorough review of sampling results at each site and completion of human health and ecological risk analyses using

these data. Each Decision Document was reviewed and approved by ADEM.

Cleanup activities were completed at three sites (19B, 20B, and 24B) before No Further Action recommendations were made. These actions addressed petroleum contamination sources and are described below. They are also summarized in closure reports for each site, which are available for public review at the Foley Public Library (see back page).

Completed Cleanup Actions

Site 19B, Former Hangar Maintenance Area: Past activities involved washing aircraft with kerosene at wash racks adjacent to two hangars at the site. The wash racks were connected to an oil-water (O/W) separator designed to separate kerosene and water runoff. The kerosene was stored in one of three tanks located at each wash rack. The remaining two tanks were used for oil storage. Kerosene washing was discontinued in the early 1950s because the kerosene left a slippery residue on the aircraft.



Site 19B

Cleanup activities took place in late 1996 and early 1997 and consisted of the following:

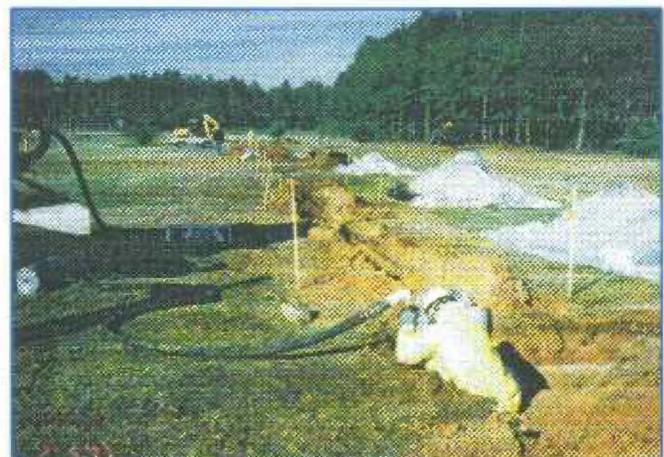
- Removal and disposal of six steel USTs, in-place closure of one concrete O/W separator and removal of another, removal and off-site disposal of contaminated soil.
- Removal of 902 tons of soil and 900 gallons of liquid waste (from the tanks).

Site 20B, Abandoned Storage Tank and Fuel Pit Area: The site was used for aviation gasoline storage during World War II and the Korean Conflict. The site is approximately 20 acres, consisting of an abandoned UST area (1 acre), 60 abandoned fueling pits (19 acres), and about 1.7

miles of underground fuel lines. In November 1996, ADEM agreed that the fuel pits and associated lube oil tanks and direct fuel lines could be closed in place. The result was the following:

- Thirty 500-gallon lube oil tanks were uncovered, pumped free of residual liquid, cleaned, and filled with concrete.
- Soil in the fueling pits was removed, pipe valves checked for integrity and cleaned, and the area backfilled with clean material.
- A total of 9,100 feet of fast fuel line steel piping was air tested for leaks and

repaired as needed. Residual liquids were removed, and the pipes were cleaned and either valved closed or grouted closed.



Site 20B

Site 24B, Abandoned Firefighting Training Area: The site was built in July 1989 for Navy crash crew training. Over the next 2 1/2 years, training operations involving burning and extinguishing jet propellant (JP-5) fuel were conducted. In December 1991, these activities were relocated to NAS Whiting Field, where the Navy has constructed a state-of-the-art firefighting training area designed to prevent soil and groundwater contamination.

The burn pit at Site 24B was 50 feet in diameter and consisted of a polyethylene synthetic liner covered with 18 inches of clay and 6 inches of sand. A berm was built around the burn pit to limit overflow of ponding water that contained JP-5.

Cleanup involved

- removing the burn pit materials and liner, and
- backfilling the excavated area with clean fill and topsoil.



Site 24B

IR Program Closeout

With the completion of investigation and cleanup procedures and recommendations for No Further Action at all 10 sites, IR program activities at OLF Barin are complete. The Navy has taken all the necessary steps at these sites to ensure human health and the environment are protected. These steps are required by both IR program policies and ADEM and U.S. Environmental Protection Agency regulations. We are proud of the work that has been done and are committed to preserving and protecting our environment in the future.

For More Information

Information on the environmental program at OLF Barin is available to the public at the Information Repository, located at the Foley Public Library. Any general questions about the IR program should be addressed to the NAS Whiting Field Public Works Department.

Foley Public Library
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