



Need More Information?

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Mailing Coupon

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**Department of the Navy
Public Works Department
NAS Whiting Field**
7151 USS Wasp Street
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Department of the Navy Public Works Department NAS Whiting Field

7151 USS Wasp Street
Milton, Florida 32570-6159

Next Scheduled Restoration Advisory Board Meeting

23 September 2003

NAS Whiting Field
Public Works Building 1418
7151 USS Wasp Street
Milton, FL 32570-6159



United States Navy – Naval Air Station

Whiting Field Progress Report

Installation Restoration Program

Volume 1, Number 8

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Public Works Department

NAS Whiting Field, 7151 USS Wasp Street, Milton, Florida 32570-6159 • Telephone (850) 623-7181 (Ext. 49)

Clear Creek Ecological Investigation

Inside . . .

Clear Creek Ecological Investigation..... 1

Installation Restoration Program 2

Site Activities Update 2

Site 7 to be Remediated using Performance Based Service Acquisition Contracting 2

Site 4 Remediation Pilot Study Update 2

Land Use Controls (LUCs).... 5

Restoration Advisory Board Meeting 5

Site 39, Clear Creek is located along the western boundary of Naval Air Station (NAS) Whiting Field directly west of the South Air Field, the former wastewater treatment plant, and two closed landfills. Clear Creek is designated an outstanding Florida waterway and is home to numerous wildlife and plant species. Clear Creek is currently being investigated to determine if activities previously conducted at NAS Whiting Field have adversely affected the creek and floodplain.



Clear Creek

The ongoing ecological investigation of Clear Creek indicates it is very similar to other creeks in the area and includes two major vegetative communities. Floodplain wetlands are found along the creek, and upland pine forest with broad-leaf deciduous trees are found on adjacent well drained upland slopes on either side of the creek. The Clear Creek study area is home to two state-protected plants including the white-topped pitcher plant and the water sundew, and many animals including deer, beaver, snakes, turtles, and birds.



White-Topped Pitcher Plant

Investigative activities performed at Site 39 include aerial photo interpretation, collection and laboratory analyses of surface water, sediment, and groundwater samples from both the creek bed and floodplain. Preliminary investigation results have not shown widespread surface water and sediment contamination. One small area of the creek floodplain contains measurable concentrations of fuel and oil contaminants exceeding U.S. Environmental Protection Agency (USEPA) and Florida Department of Environmental Protection (FDEP) action levels.

An Ecological Risk Assessment (ERA) evaluation is currently being prepared for Clear Creek, which will be included in the Draft Site 39 Remedial Investigation Report scheduled for completion in December of 2003. After review and approval of this report by USEPA and the FDEP, the report will be placed in the Information Repository and made available for public review.

This progress report is produced by NAS Whiting Field to keep you informed about the Installation Restoration Program at NAS Whiting Field.

Installation Restoration Program

The U.S. Navy has initiated an Installation Restoration Program (IRP) nationwide to identify, investigate, and, if necessary, clean up contamination at Navy installations, including NAS Whiting Field. Contamination may have resulted from hazardous materials handling practices or accidental spills. In the majority of cases, the releases occurred before laws were passed regulating hazardous materials handling and disposal or before it was known these practices posed potential problems.

To date, the Navy has identified 30 sites at NAS Whiting Field where various potentially hazardous materials may have been handled or disposed. IRP sites identified at NAS Whiting Field and their current status are listed in the table on page 3 and their location is shown on the map on page 4.

Site Activities Update

Site 7 to be Remediated Using Performance Based Service Acquisition Contracting



Performance Based Service Acquisition (PBSA) contracting will be used in combination with the Environmental Multiple Awards Contract (EMAC) for cleaning up Site 7, South AVGAS Tank Sludge Disposal Area (South Fuel Farm).

PBSA cleanup is being used by Southern Division Naval Facilities Engineering Command (SOUTHDIV) to achieve measurable results and bases contractor payment on contractor performance. The benefits include improved efficiency of contractors; cost savings to the government, achieved by both competitive contractor pricing and a reduction in the government's administrative burden; and a reversal of the problems associated with other types of contracting. The core of PBSA is to describe the work requirements in terms of outcome (what the contractor must accomplish) rather than input (number of labor hours, etc.) or processes the contractor must provide. These contracts encourage the contractor to identify and correct problems as rapidly and cost effectively as possible. SOUTHDIV's Florida EMAC contract consists of four small business contractors, who compete with each other for the work. The contract for Site 7 should be awarded by 30 September 2003.

Site 07 was in operation from 1943 to 1968. The South Fuel Farm was an AVGAS Aqua Type system using potable water to displace AVGAS and transfer

fuel to tanks. The tanks were removed and investigations at Site 7 were conducted to evaluate any remaining contamination.



The primary objective of this project is to reduce the soil contamination at Site 7 to below USEPA and FDEP Residential and Leachability action levels. Final approval of the work is required by SOUTHDIV, USEPA, and FDEP.

Site 4 Remediation Pilot Study Update

Site 4 is a former underground storage tank facility located north of Tow Lane at North Field. As part of a pilot study, five solar remediation system (SRS) units were installed at the site to perform soil vapor extraction and bioventing. This treatment uses solar power to pull soil gas from the petroleum-contaminated soil and to push air into the soil, increasing the oxygen concentrations in order for microorganisms to degrade the organic constituents adsorbed to soils.

The SRS units began operating in September 2001 and continue to operate today. During the pilot study (through October 2002), approximately 2,800 pounds of contaminants have been removed. A Pilot Study Completion Report is currently being prepared and will provide results of the treatment and a cost analysis of



(Continued from Page 2)

using the SRS compared to more conventional remediation. The data gathered from the pilot study demonstrate the Navy's commitment to supporting innovation in remediation. SRS implementation will continue to be evaluated for its applicability at other Navy and Department of Defense (DoD) sites.

Land Use Controls (LUCs)

LUCs are a type of remedial action where restrictions are used to protect human health by limiting exposure to contaminated media such as soil, surface water, or groundwater. LUCs offer a safe, simple, and inexpensive alternative for managing low-risk sites. LUCs can include access controls such as warning signs or fences, prohibitive directives to prevent activities such as digging or drilling, or institutional controls such as notations on the facilities master plan. The Master Plan is used to coordinate and document Base Activities.

A Memorandum of Agreement (MOA) signed by the Navy, USEPA, and FDEP on 4 November 1999, established the foundation for management of LUCs at NAS Whiting Field.

The MOA requires site-specific implementation plans, routine monitoring, and close coordination with regulatory agencies.

Site inspections are conducted annually to ensure compliance with the LUCs.

Prior to implementation of LUCs at any site, Proposed Plans are submitted to the regulatory agencies to present these controls as the final remedy. After the agencies' comments are incorporated, a public comment period is held to solicit community feedback on the proposed remedial action described in the Proposed Plan. When regulatory and community concerns have been addressed, LUCs are implemented in accordance with the MOA and the individual site plan requirements. LUCs are currently being evaluated as the potential remedy for numerous sites at NAS Whiting Field.



RESTORATION ADVISORY BOARD MEETING

Whiting Field's Restoration Advisory Board (RAB) will hold a meeting to discuss ongoing environmental studies and cleanup at NAS Whiting Field. The meeting will take place 4:00 – 6:00 p.m., Tuesday, 23 September 2003, in the 2nd Floor Conference Room of the Public Works Building (Bldg. 1418), aboard NAS Whiting Field.

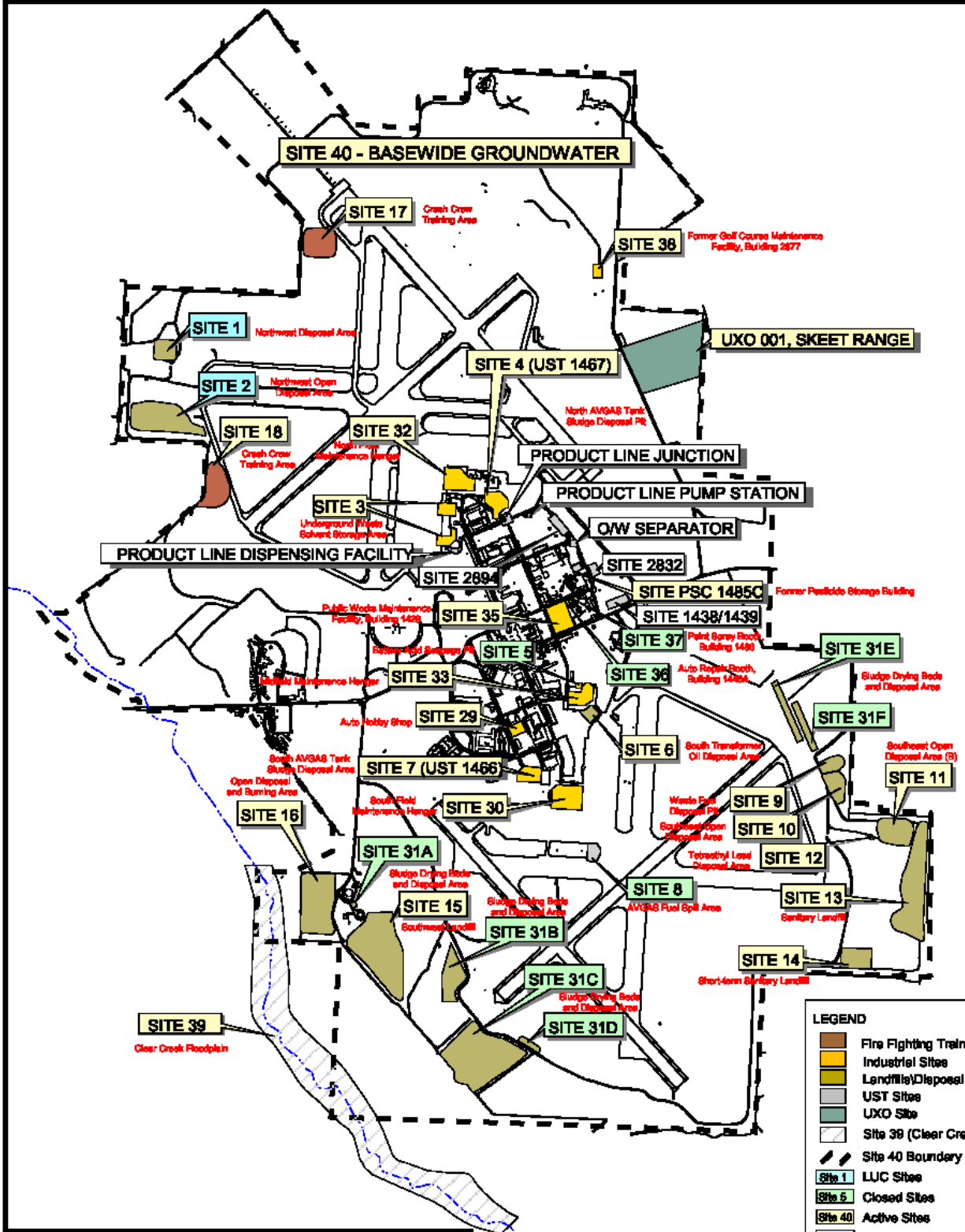
The current status of ongoing environmental restoration activities at NAS Whiting Field will be presented. The meeting will include a tour of selected Installation Restoration sites followed by a cookout.

Citizens interested in attending this meeting and the cookout should contact Ron Joyner at (850) 623-7181, Ext. 40.

**NAS WHITING FIELD
IRP Site Status**

Site No.	Site Name	Material Disposed of or Released	Status
1	Northwest Disposal Area	Refuse, waste paints, thinners, solvents, waste oils, and hydraulic fluids	Remedy Selected - LUCs
2	Northwest Open Disposal Area	Construction/demolition debris, tires, furniture	Remedy Selected - LUCs
3	Underground Waste Solvent Storage Area	Waste solvents and paint stripping residue	Pending - LUCs
4	N. AVGAS Tank Sludge Disposal Area	Tank bottom sludge containing tetra ethyl lead	Pending - LUCs Soil Venting Pilot Study
5	Battery Acid Seepage Pit	Waste electrolyte solution containing heavy metals and waste battery acid	Site closed - No Action
6	South Transformer Oil Disposal Area	PCB-contaminated dielectric fluid	Pending - LUCs
7	S. AVGAS Tank Sludge Disposal Area	Tank bottom sludge containing tetra ethyl lead	Under investigation
8	AVGAS Fuel Spill Area	AVGAS containing tetra ethyl lead	Site closed - No Action
9	Waste Fuel Disposal Area	Waste AVGAS containing tetra ethyl lead	Decision pending - Soil Removal Action
10	Southeast Open Disposal Area A	Construction/demolition debris, waste solvents, paints, oils, hydraulic fluid, PCBs, pesticides, and herbicides	Decision pending - Soil removal action
11	Southeast Open Disposal Area B	Construction/demolition debris, waste solvents, paints, oils, hydraulic fluid, and PCBs	Decision pending
12	Tetra ethyl Lead Disposal Area	Tank bottom sludge and fuel filters contaminated with tetra ethyl lead	Decision pending
13	Sanitary Landfill	Refuse, waste solvents, paints, hydraulic fluid, and asbestos	Decision pending
14	Short-Term Sanitary Landfill	Refuse, waste solvents, oils, paint, and hydraulic fluids	Decision pending
15	Southwest Landfill	Refuse, waste paints, oils, solvents, thinners, asbestos, and hydraulic fluids	Decision pending - Soil removal action
16	Open Disposal and Burning Area	Refuse, waste paints, oils, solvents, thinners, PCBs, and hydraulic fluids	Decision pending - Soil removal action
17	Crash Crew Training Area	JP-5 fuel	Decision pending - Soil removal action
18	Crash Crew Training Area	JP-5 fuel	Decision pending - Soil removal action
29	Auto Hobby Shop	Auto repair, maintenance, & painting materials	Under investigation
30	South Field Maintenance Hangar	Aircraft maintenance materials	Pending - LUCs
31	Sludge Drying Beds and Disposal Areas	Wastewater treatment sludge	Site Closed-No Further Action
32	North Field Maintenance Hangar	Aircraft maintenance materials	Pending - LUCs
33	Midfield Maintenance Hangar	Aircraft maintenance materials	Pending - LUCs
35	Public Works Maintenance Facility	Fuel, oil, and solvents	Under investigation
36	Auto Repair Booth	Oil, grease, fuel, and solvents	Site closed - No Action
37	Paint Spray Booth	Paint and solvents	Site closed - No Action
38	Former Golf Course Maintenance Bldg.	Solvents, oil, pesticides, and metals	Under investigation
39	Clear Creek Floodplain	Suspected solvents, oil, and fuel	Under investigation
40	Basewide Groundwater	Solvents and fuel	Under investigation
UXO 001	Skeet Range	Unexploded ordnance	Under investigation

- s: 1. Sites 19-28 are in the OLF Barin IRP.
2. There is no Site 34.
3. AVGAS is a common aviation fuel
4. LUCs = Land Use Controls
5. PCB = Polychlorinated Biphenyl
6. UXO = Unexploded ordnance



DRAWN BY J. LAMEY	DATE 12/02
CHECKED BY	DATE
COST/SCHEDULE AREA	
SCALE AS NOTED	



SITE STATUS MAP
NAS WHITING FIELD - BASEWIDE
MILTON, FLORIDA

CONTRACT NUMBER 0052	
APPROVED BY	DATE
APPROVED BY	DATE
DRAWING NO.	REV 0

P:\08\WHITINGFIELD_NAS\APR\SITE_STATUS_MAP.APR SITE STATUS MAP - 8.5X11 2/18/03 JAL