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NAS WHITING FIELD
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PUBLIC NOTICE FOR INSTALLATION RESTORATION PROGRAM PROGRESS REPORT VOLUME 2 NUMBER 2 NAS WHITING FIELD FL

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United States Navy – Naval Air Station – Whiting Field

Whiting Field Progress Report

Installation Restoration Program

Volume 2, Number 2 September 2001

Public Works Department
NAS Whiting Field, 7151 USS Wasp Street, Milton, Florida 32570-6159 • Telephone (850) 623-7181 (Ext. 40)

Inside. . .

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

Final Remedy Selected for Six NAS Whiting Field Sites

Record of Decisions have been issued documenting the final remedy for surface and subsurface soil at six NAS Whiting Field sites. The proposed final remedy for each site is as follows:

- ***Site 3 – Underground Waste Solvent Storage Area***: LUCs will be implemented to prevent prolonged and frequent human exposure to soil with chemicals exceeding residential standards. Site 3 will be available for non-residential use.
- ***Site 4 – North Aviation Gasoline (AVGAS) Tank Sludge Disposal Area***: In situ soil venting will be performed on approximately 23,000 cubic yards of subsurface soil to promote biodegradation and volatilization of organic constituents. LUCs will be implemented to prevent prolonged and frequent human exposure to soil with chemicals exceeding residential standards. Site 4 will be available for non-residential use.
- ***Site 6 – South Transformer Oil Disposal Area***: An area (approximately 100 feet by 200 feet) of benzo(a)pyrene and total petroleum hydrocarbon (TPH) contaminated surface soil, exceeding industrial standards, will be removed to an approximate depth of 2 feet and disposed in a regulated landfill. The excavations will be filled with clean soil, and the site restored to conform to previous conditions. Following surface soil removal, LUCs will be implemented to prevent prolonged and frequent human exposure to soil with chemicals exceeding residential standards. Site 6 will be available for non-residential use.
- ***Site 30 – South Field Maintenance Hangar Area***: LUCs will be implemented to prevent prolonged and frequent human exposure to soil with chemicals exceeding residential standards. Site 30 will be available for non-residential use.
- ***Site 32 – North Field Maintenance Hangar Area***: LUCs will be implemented to prevent prolonged and frequent human exposure to soil with chemicals exceeding residential standards. Site 32 will be available for non-residential use.

Underground Waste Solvent Storage Area - Site 3

North AVGAS Tank Sludge Disposal Area - Site 4

South Transformer Oil Disposal Area - Site 6

South Field Maintenance Hanger - Site 30

North Field Maintenance Hanger - Site 32

- ***Site 33 – Midfield Maintenance Hangar:*** LUCs will be implemented to prevent prolonged and frequent human exposure to soil with chemicals exceeding residential standards. Site 33 will be available for non-residential use.

Upon completion of these remedial actions, no additional action will be required for soil at Sites 3, 4, 6, 30, 32, and 33. Implementation of the actions described above will reduce risks to human health associated with these sites to acceptable levels.

Midfield Maintenance Hanger - Site 33

Installation Restoration Program (IRP)

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 that these practices posed potential problems.

To date, the Navy has identified 29 sites at NAS Whiting Field where various potentially hazardous materials may have been handled or disposed of. IRP sites identified at NAS Whiting Field and their current status are listed in the table on page 3 and their location is on the map on page 4.

Site Activities Update

Site 38 – Former Golf Course Maintenance Building

Sampling to Determine Area of Soil Removal

Site 38 is located in the northern portion of NAS Whiting Field along the east side of the golf course and approximately 276 feet west of the patrol road. Site 38 was formerly the golf course maintenance building (Building 2877) and was used as a storage facility for pesticides and battery reconditioning. An area north of the building was used to rinse trucks after they were used to spray pesticides. Pesticide storage was discontinued in 1983 upon the completion of a new pesticide facility. Building 2877 was demolished in 1993 as part of golf course renovations.

During the May 2000 Remedial Investigation of Site 38, surface and subsurface soil samples were collected and analyzed. Pesticides, metals and total recoverable petroleum hydrocarbons (TRPHs) were detected in the soil. Two surface soil samples exhibited pesticide concentrations above USEPA and/or State of Forida action levels. The TRPH concentration in one surface soil sample also exceeded the Florida action level.

Site 38

A sampling plan has been devised to further delineate the extent of surface soil contamination, thus reducing the potential volume of soil to be removed. Surface soil samples will be collected on 10-ft centers from a 20 foot (ft) by 20 ft sampling grid set up around the location of each RI sample exceeding USEPA or State of Florida action levels. Additionally, four samples will be collected on a 5-foot radius from each original sample.

The results of this sampling will be used to determine the area and volume of a soil removal action to be performed in late 2001 or 2002.

Site 4 - North AVGAS Sludge Disposal Area

Solar Remediation (Soil Vapor Extraction) Pilot Test

Site 4 SRS Units

A solar-powered soil vapor extraction andbioventing pilot study is currently being conducted at Site 4. In late June 2001, five Solar–powered Remedial Systems (SRSs) were delivered to the site, assembled and connected to the five treatment wells previously installed. The units were set up in the soil vapor extraction mode to pull contaminated organic vapors from the subsurface soil. Initially, only the shallow zone is being treated (8-18 feet below land surface). Total flow, pressure, lower explosive limit and oxygen measurements are collected from each operating blower.

In mid-July, effluent air samples were collected from each SRS unit to measure the amount of organic vapors being extracted. The flow rate from each unit was adjusted, using a restrictor plate, to ensure total organic vapor emissions would not exceed the maximum allowable emission criteria of 13.7 pounds per day.

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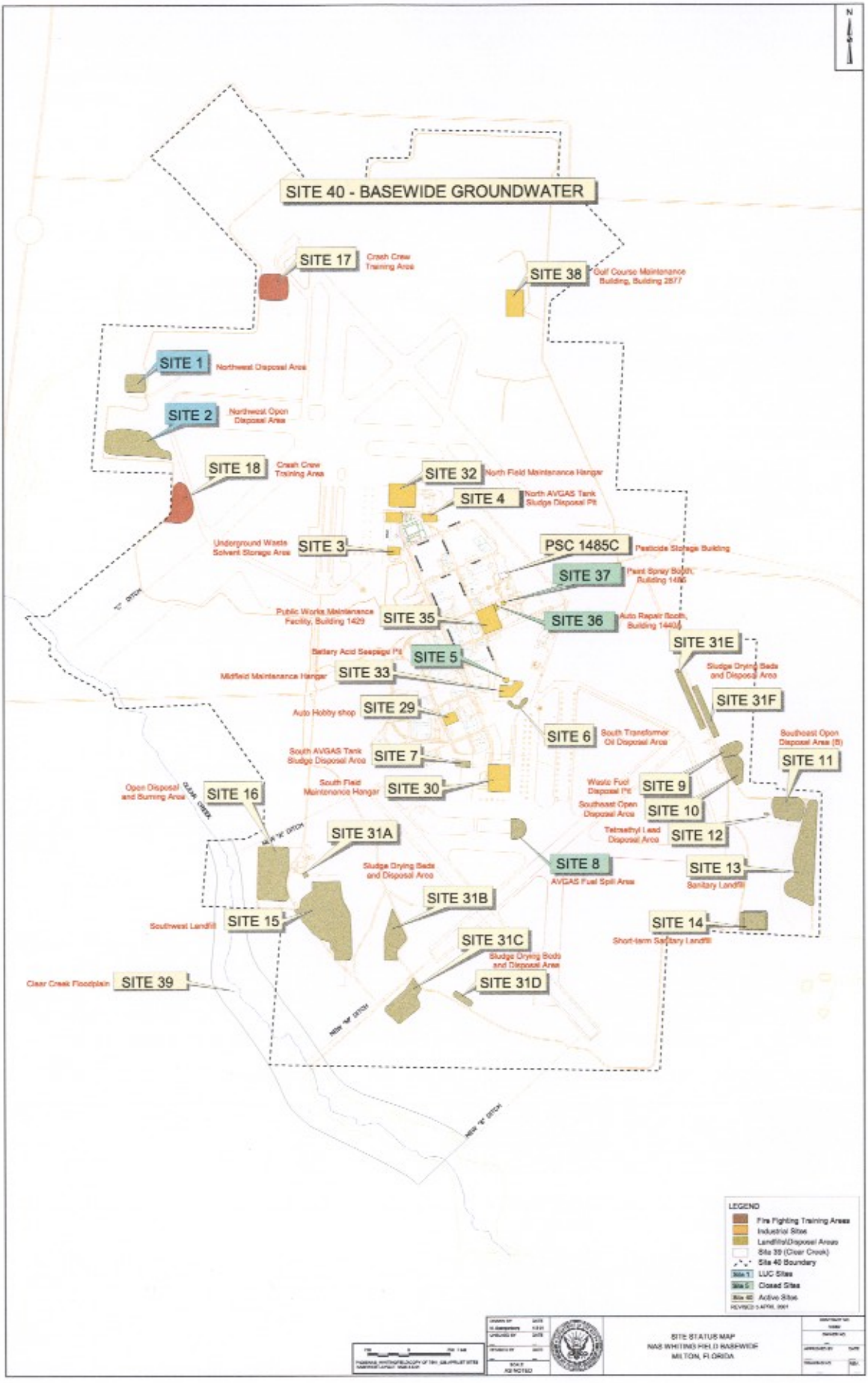
NAS WHITING FIELD
IRP SITE STATUS

Site No.	Site Name	Material Disposed of or Released	Status
1	Northwest Disposal Area	Refuse, waste paints, thinners, solvents, waste oils, and hydraulic fluids.	Decision Made - LUCs
2	Northwest Open Disposal Area	Construction and demolition debris, tires and furniture.	Decision Made - LUCs
3	Underground Waste Solvent Storage Area	Waste solvents, paint stripping residue and 120-gallon spill.	Decision Pending
4	North AVGAS Tank Sludge Disposal Area	Tank bottom sludge containing tetraethyl lead.	Decision Pending – Soil Venting Pilot Study
5	Battery Acid Seepage Pit	Waste electrolyte solution containing heavy metals and waste battery acid.	Site Closed – No Further Action
6	South Transformer Oil Disposal Area	Polychlorinated biphenyl (PCB)-contaminated dielectric fluid.	Decision Pending
7	South AVGAS Tank Sludge Disposal Area	Tank bottom sludge containing tetraethyl lead.	Under Investigation
8	AVGAS Fuel Spill Area	AVGAS containing tetraethyl lead.	Site Closed - No Further Action
9	Waste Fuel Disposal Area	Waste AVGAS containing tetraethyl lead.	Decision Pending – Soil Removal Action
10	Southwest Open Disposal Area A	Construction and demolition debris, waste solvents, paints, oils, hydraulic fluid, PCBs, pesticides, and herbicides.	Decision Pending – Soil Removal Action
11	Southwest Open Disposal Area B	Construction and demolition debris, waste solvents, paints, oils, hydraulic fluid, and PCBs.	Decision Pending
12	Tetraethyl Lead Disposal Area	Tank bottom sludge and fuel filters contaminated with tetraethyl 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, and painting materials.	Under Investigation
30	South Field Maintenance Hangar	Aircraft maintenance materials.	Decision Pending – USTs Removed
31	Sludge Drying Beds and Disposal Area	Wastewater treatment sludge.	Decision Pending – Soil Removal Action
32	North Field Maintenance Hangar	Aircraft maintenance materials.	Decision Pending – USTs Removed
33	Midfield Maintenance Hangar	Aircraft maintenance materials.	Decision Pending – USTs Removed
35	Public Works Maintenance Facility	Fuel, oil, and solvents.	Decision Pending
36	Auto Repair Booth	Oil, grease, fuel, and solvents.	Under Investigation
37	Paint Spray Booth	Paint and solvents.	Site Closed – No Further Action
38	Former Golf Course Maintenance Building	Solvents, oil, pesticides, and metals.	Under Investigation
39	Clear Creek Floodplain	Suspected solvents, oil, and fuel.	Under Investigation
40	Basewide Groundwater	TCE and benzene	Under Investigation

1. Sites 19-28 are in the OLF Barin IRP.
2. There is no site 34.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SITE 40 - BASEWIDE GROUNDWATER
SITE 17
Crash Crew Training Area
SITE 38
Golf Course Maintenance Building, Building 2877
SITE 1
Northwest Disposal Area
SITE 2
Northwest Open Disposal Area
SITE 18
Crash Crew Training Area
SITE 32
North Field Maintenance Hangar
SITE 4
North AVGAS Tank Sludge Disposal Pit
Underground Waste Solvent Storage Area
SITE 3
PSC 1485C
Pesticide Storage Building
SITE 37
Paint Spray Booth, Building 1486
Public Works Maintenance Facility, Building 1429
SITE 35
SITE 36
Auto Repair Booth, Building 1440
SITE 31E
Battery Acid Seepage Pit
SITE 5
Sludge Drying Beds and Disposal Area
Midfield Maintenance Hangar
SITE 33
SITE 31F
Auto Hobby shop
SITE 29
SITE 6
South Transformer Oil Disposal Area
Southeast Open Disposal Area (S)
South AVGAS Tank Sludge Disposal Area
SITE 7
SITE 11
Open Disposal and Burning Area
SITE 16
South Field Maintenance Hangar
SITE 30
Waste Fuel Disposal Pit
SITE 9
Southeast Open Disposal Area
SITE 10
SITE 31A
Tetraethyl Lead Disposal Area
SITE 12
SITE 8
AVGAS Fuel Spill Area
SITE 13
Sanitary Landfill
Sludge Drying Beds and Disposal Area
SITE 31B
SITE 15
Southwest Landfill
SITE 14
Short-term Sanitary Landfill
SITE 31C
Sludge Drying Beds and Disposal Area
Clear Creek Floodplain
SITE 39
SITE 31D
LEGEND
Fire Fighting Training Areas
Industrial Sites
Landfills/Disposal Areas
Site 39 (Clear Creek)
Site 40 Boundary
LUC Sites
Closed Sites
Active Sites
SITE STATUS MAP
NAS WHITING FIELD RABFWDF
MILTON, FLORIDA

(Continued from Page 2)

Intrinsically safe pressure transducers, oxygen sensors and temperature meters will be installed in 27 monitoring points to evaluate the radius of influence for the SRS units and help determine their effectiveness. The pilot study will run for approximately one year.

Site 16 – Open Disposal and Burning Area

Sampling to Determine Area of Soil Removal

Site 16 is located in the southwest area of Naval Air Station Whiting Field (NASWF), directly west of the South Air Field. General refuse plus waste from aircraft operations and maintenance were disposed of at an estimated annual rate of 3,000 to 4,000 tons in two large pits located on this site. To reduce the volume, diesel fuel was used to burn the waste, which included paints, solvents, waste oil, hydraulic fluid, and wastewater from paint stripping and other operations. Dielectric fluids containing polychlorinated biphenyls may also have been disposed of at this site.

During the Remedial Investigation of Site 16, Polynuclear Aromatic Hydrocarbons (PAHs) above USEPA and/or Florida cleanup values were detected in surface soil at one area of the site.

A sampling plan has been developed to further delineate the extent of the PAH contamination in surface soil and to reduce the potential volume of soil to be removed. Surface soil samples will be collected on 25-ft center from a 75 ft by 75 ft sampling grid set up around the area identified in the RI exceeding PAH cleanup criteria.

The results of this sampling will be used to determine the area and volume of a soil removal action to be performed in late 2001 or 2002.

Land Use Controls (LUCs)

LUCs are a type of corrective measure where restrictions are used to protect human health and the environment by limiting exposure to contaminated media such as soils, surface water or groundwater. LUCs offer a safe, simple and inexpensive alternative for managing low-risk sites. LUCs can include access control such as warning signs or fences, prohibitive directives to prevent activities such as digging or drilling, or institutional controls such as comprehensive plan notations.

A Memorandum of Agreement (MOA) between NAS Whiting Field, USEPA, and FDEP establishes the foundation for LUC management. The MOA requires site-specific implementation plans, routine monitoring, and close coordination with regulatory agencies.

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 agency comments are incorporated, a public comment period is held to solicit community feedback on 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.

NAS Whiting Field Public Works Update

Hello! ...or as we say in Italy, "Ciao!" My name is LCDR Les Steele, and I've recently relieved LCDR Paul Odenthal as the Public Works Officer at Naval Air Station Whiting Field. I'm excited to be here and raring to pull my sleeves up and get busy working with all of you, particularly on our initiatives and projects at NAS Whiting Field.

I've just come from Naples, Italy, where I was on the staff at Commander, Fleet Air Mediterranean. In my job there as the NATO Infrastructure and Facilities Host Nation Liasion Officer I worked with the Navy and Air Force staffs of our host nations in the Mediterranean, namely Italy, Greece and Spain and with the North Atlantic Treaty Organization (NATO) Regional Headquarters staff in Southern Europe. So, I've had a lot of recent experience in team building and team work with folks from diverse backgrounds, even different languages and varying perspectives and agendas – experience which will benefit me in the various roles I'll play working here with our NAS Whiting Field operational needs and requirements, regulatory agencies, compliance issues, and the Santa Rosa County community. My wife and two children are with me, and we're looking forward to enjoying the West Florida life here at NAS Whiting Field and in the Milton area.

Need More Information?

Documents and information regarding the NAS Whiting Field IRP are available from:

Mr. Ron Stabler
NAS Whiting Field
Phone: (850) 623-7181 (Ext. 40)

Mr. Craig Benedikt
USEPA
Phone: (404) 562-8555

Ms. Linda Martin
Southern Division
Phone: (843) 820-5574

OR

Information Repository
West Florida Regional Library
Milton Branch
805 Alabama Street
Milton, Florida 32570
Phone: (850) 623-5565

Department of the Navy
Public Works Department
NAS Whiting Field
7151 USS Wasp Street
Milton, Florida 32570-6159

Upcoming Restoration Advisory Board Meeting

Tuesday, September 18, 2001

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

Meeting begins at 5:30 p.m. The general public is invited. To confirm meeting dates and locations, please call (850) 623-7181 extension 40.

Mailing Coupon

If you did not receive this progress report by mail and would like to be put on the mailing list or if you wish to have your name removed from the list, please complete this form, clip and mail to:

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