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BASE REALIGNMENT AND CLOSURE MINI RECORDS OF DECISION AND FACT SHEETS
FOR STUDY AREAS 17, 18, 23, 35, 36, 37, 40 AND 42 WITH FINAL DECISION FOR STUDY
AREA 36 ATTACHED NTC ORLANDO FL
5/13/1999
HARDING LAWSON ASSOCIATES

Harding Lawson Associates



May 13, 1999
Commanding Officer
SOUTHNAVFACENGCOM
2155 Eagle Drive
North Charleston, SC 29419-9010

ATTN: Ms. Barbara Nwokike, Code 187300

Subject: **BRAC mini-RODs and Fact Sheets**
Study Areas 17, 18, 23, 35, 36, 37, 40 and 42
NTC, Orlando
Contract: N62467-89-D-0317

Dear Barbara:

Enclosed for your review are the (draft) mini-RODs (Decision and Response to Comments) for Study Areas 17, 18, 23, 35, 36, 37, 40 and 42. Also enclosed is the (draft) fact sheet for Study Area 36. The mini-ROD and fact sheet for Study Area 36 should be considered very preliminary, as the site screening report is still being reviewed by the OPT, and the conclusions and recommendations may change somewhat based on comments HLA receives from the Team. Fact sheets have previously been issued for all of the other study areas listed above.

Should you have any questions or need additional information, please call me at (904) 772-7688.

Very Truly Yours,

Harding Lawson Associates

A handwritten signature in black ink that reads 'Richard P. Allen'.

Richard P. Allen
Project Technical Lead

Attachments

CC: Wayne Hansel, Southern Division
Nancy Rodriguez, USEPA Region IV
David Grabka, FDEP
LT G. Whipple, NTC-Public Works Officer
Robin Manning, BEI
Steve McCoy, TetraTech NUS
Al Aikens, CH2M Hill
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file



Naval Training Center, Orlando Orlando, Florida

Proposed Interim Remedial Action Study Area 36

This fact sheet was developed to inform interested citizens about the Naval Training Center (NTC), Orlando environmental program. Fact sheets will be distributed periodically to keep the community informed. Additional copies of these fact sheets can be obtained by calling the NTC, Orlando Public Affairs Office at (407) 895-6714.

Site Description

Study Area 36 is located south of Langley Street and west of Grace Hopper Avenue on the Main Base, Naval Training Center (NTC), Orlando (Figure 1-1). The site includes two buildings (2121 and 2122) and the western half of the Public Works Yard. Building 2121 is a lumber storage facility, but was used to store a variety of materials. Building 2122 was the Paint Shop, and paint, paint thinner, and other flammable materials were stored there. Environmental concerns were focused on the manner in which materials had been handled and stored in the past at this facility.

Site Investigations

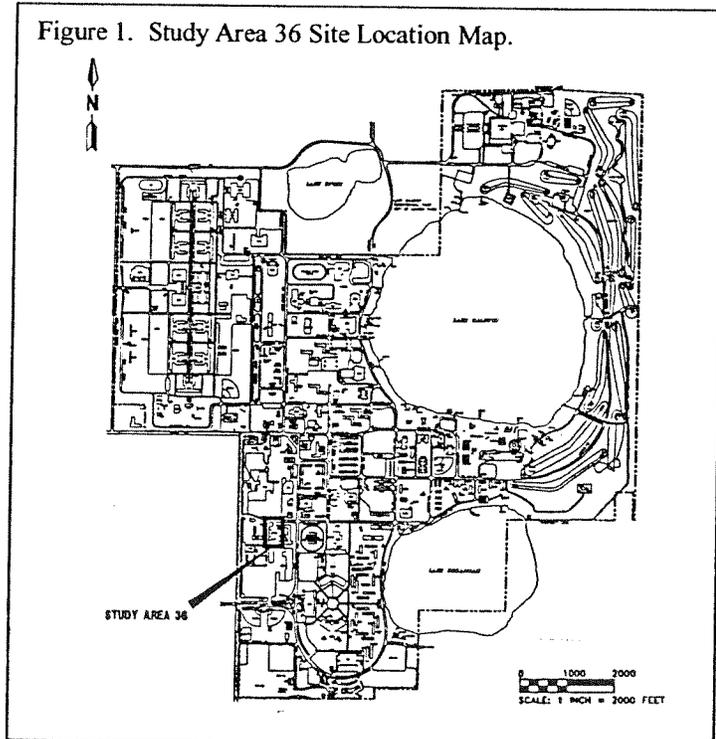
Investigations at SA 36 included

- a site walkover
- a review of historical documents
- a review of aerial photographs
- a passive soil gas survey to look for potential volatile organic compound (VOC) "hot spots"
- the collection of soil and groundwater samples from selected areas
- the delineation of contaminants in groundwater with direct push technology (DPT)

The passive soil gas survey only detected potential contaminants at one sample location in the north storage area. In soil, several contaminants were detected at concentrations exceeding Florida Department of Environmental Protection (FDEP) residential guidelines. These include total recoverable petroleum hydrocarbons (TRPH); the metals antimony, arsenic, mercury, and barium; and the polynuclear aromatic hydrocarbons benzo(a)pyrene and dibenz(a,h)anthracene.

In groundwater, the primary concern is the presence of the chlorinated solvents tetrachloroethene (PCE) and trichloroethene (TCE). These chemicals were detected at concentrations exceeding Florida drinking water standards. The chlorinated solvent groundwater plume was mapped with a DPT investigation, and monitoring wells were then installed so that the chemicals could be accurately identified and quantified.

Figure 1. Study Area 36 Site Location Map.



Conclusions and Recommendations

To identify the selected remedy for SA 36, applicable regulations and guidance documents were considered. Based on this review, a remedial approach has been selected for SA 36. The approach consists of an interim remedial action (IRA) that will include removal of some soil containing levels of certain metals and PAHs that exceed Florida residential levels. Other compounds present at already low concentrations will likely not be of concern following demolition of existing buildings and site preparation activities.

The Navy, U.S. Environmental Protection Agency, and Florida Department of Environmental Protection have determined that an interim remedial action is appropriate at SA 36 to protect human health and the environment. An IRA is an early cleanup of a specific portion of a site and can be performed before the whole site has been looked at. IRAs respond to environmental contamination of immediate concern and are sometimes the final action at a site. In this way, IRAs can help speed up the entire cleanup process.

What's Next?

The IRA will be completed in the fall of 1999 and involve excavating some of the contaminated soil that exceeds allowable residential concentrations. The locations of the excavation areas are shown on Figure 2 and include approximately 7 cubic yards of soil. During excavation activities, soil samples will be collected from the walls and floor of each excavation to confirm that Florida guidelines for residential land use have been achieved. The excavated soil will likely be transported to an off-base landfill designed to handle this type of material. After the soil is removed, it will be replaced with clean backfill.

Future demolition activities and site preparation are expected to provide sufficient mixing in the shallow soil that the presence of other contaminants (TRPH and arsenic), currently at low concentrations are expected to diminish below action levels. However, the Navy will conduct additional surface soil sampling following demolition and site preparation activities to confirm that those contaminant concentrations meet residential land use criteria.

When the IRA is completed, the Navy will focus on the groundwater at the site, which has chlorinated solvents above State and Federal drinking water standards. The contaminated groundwater is located under the northern portion of the site, and appears to be limited to the shal-

low aquifer, which is not used as a potable water source in the surrounding area. The findings of the investigation are currently in review and recommendations for future actions at the site are under consideration.

Opportunities for Public Comment

The public is invited to submit any questions or comments on the remedial action described in this fact sheet. Written or verbal comments should be directed to the NTC, Orlando Public Works Office (see phone number listed below). A public comment period will be announced soon in the *Orlando Sentinel*.

For More Information

If you have any questions about the action at SA 36, or on the environmental program at NTC in general, please contact Mr. Wayne Hansel at the NTC, Orlando Public Works Office, (407) 646-4430. Reports on the work at SA 36 can be reviewed at the following locations:

Orange County Public Library, Orlando Branch
(2nd floor)
101 East Central Boulevard, Orlando, Florida 32801
(407) 425-4694

NTC, Orlando Public Works Department
1350 Grace Hopper Avenue, Orlando, Florida 32813
(407) 646-4735

