

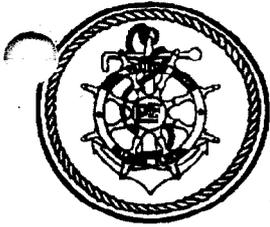
N65928.AR.000728
NTC ORLANDO
5090.3a

FACT SHEET REGARDING INTERIM REMEDIAL ACTION AT STUDY AREA 3 FORMER
HAZARDOUS MATERIALS STORAGE NTC ORLANDO FL
3/1/1998
NAVFAC SOUTHERN

Fact Sheet & mini ROD - R6

13.06.00.0008

ID 00416



Naval Training Center Orlando, Florida



Remedial Action Report

Study Area 3, Former Hazardous Materials Storage

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) 646-4430.

Site Description

Study Area (SA) 3 is located in the northwestern part of NTC Orlando's Main Base (Figure 1). It consists of Building 73, a fenced storage facility for hazardous materials, and Buildings 2816 and 2817 (Figure 2). The latter two buildings are Quonset huts and are reported to have been used for spray painting and temporary storage of hazardous materials at one time. Release of solvents may also have occurred in the area.

oil storage tanks on the north side of Buildings 2816 and 2817 were removed in 1995, and no contamination was found in the surrounding soil.

A soil gas survey was performed to locate potential contamination. The results indicate that perchloroethylene (PCE), a volatile organic chemical commonly used as a commercial cleaning solvent, was in the aquifer nearest the land surface. This aquifer does not supply drinking water. The area of PCE contamination was further defined using direct push techniques, where instruments and sampling devices are pushed into the ground with a truck-mounted hydraulic press. Groundwater monitoring wells were subsequently installed and sampled. The results indicate that PCE concentrations were slightly above Florida's limits for this contaminant. Also, a comparison of results from separate sampling events shows that the PCE concentrations in groundwater are slowly decreasing.

Site Investigations and Findings

Investigations at SA 3 included:

- a site walkover;
- review of historical documents;
- review of aerial photographs;
- soil and groundwater sampling; and
- a soil gas survey.

There was no physical evidence of chemical releases or stressed vegetation in the study area. Aboveground fuel

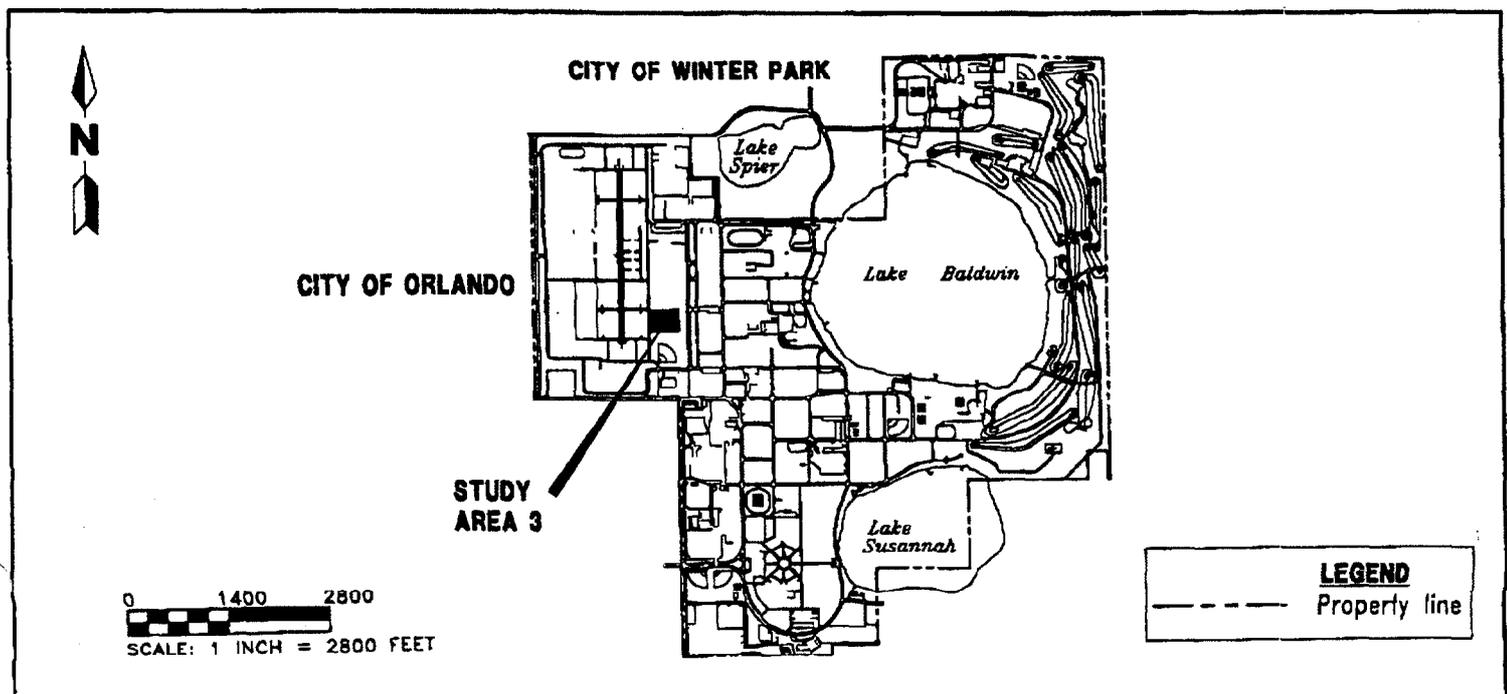


Figure 1. Study Area 3 Site Location Map

Conclusions and Recommendations

The Navy has concluded that SA 3 is suitable for transfer to the City of Orlando. Because there is no soil contamination at SA 3, future land use at the site is unrestricted. However, future site occupants will be prohibited from using the groundwater within a 50-foot radius of each monitoring well where PCE was found (see Figure 2). This prohibition will continue until PCE levels meet Florida standards. Plans to monitor PCE levels are described below. The size of the groundwater use restriction zones was established after careful evaluation of the sampling results and is considered to be protective of human health. The U.S. Environmental Protection Agency (USEPA) and Florida Department of Environmental Protection (FDEP) agree with these conclusions.

The Navy, USEPA, and FDEP also agree that quarterly groundwater sampling will continue for a period of one year (through March 1999) or until the results from two successive sampling events meet regulatory standards. If PCE concentrations have not decreased to acceptable levels by the end of the one-year sampling period, the Navy will consider additional actions to address the PCE contamination. If such actions are required, they will be

preceded by a study to determine the most effective cleanup method. A formal public comment period would also be held on the preferred cleanup method.

Opportunities for Public Comment

The public is invited to submit questions or comments on the remedial action described in this fact sheet. Written or verbal comments should be addressed to the NTC, Orlando Public Affairs Office listed below by April 3, 1998.

For More Information...

If you have questions about the Navy's action at SA 3, or on the environmental program at NTC, Orlando in general, please contact Ensign Bill Davis at the NTC, Orlando Public Affairs Office, (407) 646-4430. Reports on the work at SA 3 can be reviewed at these locations:

Orange County Public Library (2nd floor),
101 East Central Boulevard, Orlando

NTC, Orlando Public Works Department,
telephone (407) 646-4735

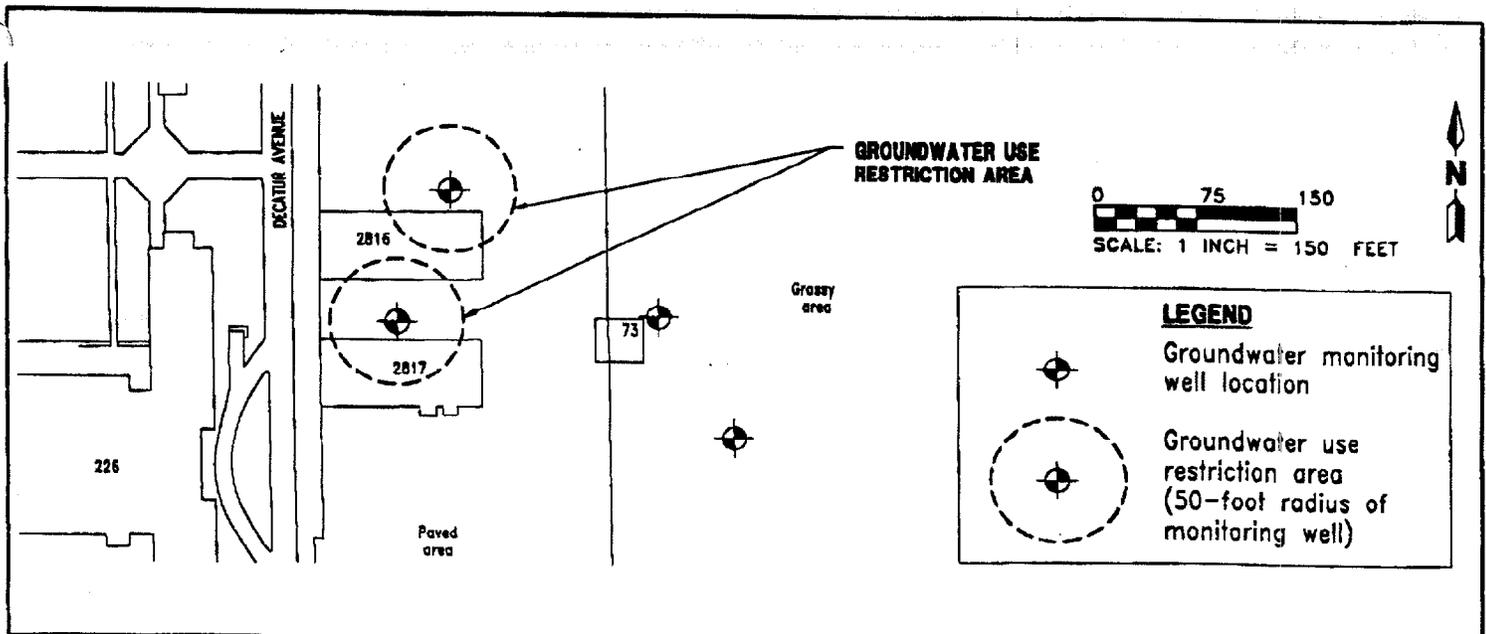


Figure 2. Study Area 3 Site Plan.

For More Information

For further information about this Remedial Action Report or the NTC, Orlando environmental program in general, please contact:

Ensign Bill Davis
NTC, Orlando Public Affairs Office
(407) 646-4430



OR

Lt. Gary Whipple
NTC, Orlando Public Works Department
(407) 646-4735