

**Information Repositories** for NTC's environmental cleanup program have been established at two locations in the area so that the local community will have an opportunity to review project documents and reports.

**San Diego Library**

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2130 Poinsettia Drive  
San Diego, CA  
(619) 531-1539  
Located at Front Desk

Hours: Mon & Wed: 12 Noon - 8:00 p.m.  
Tues, Thurs, Fri, Sat: 9:30 a.m. - 5:30 p.m.  
Sun: 1:00 p.m. - 5:00 p.m.

\* this is an abbreviated information repository.

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Fri, Sat: 9:30 a.m. - 5:30 p.m.  
Sun: 1:00 p.m. - 5:00 p.m.

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- Please DELETE my name from the NTC mailing list
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*If you would like to either remove your name from or add your name to the NTC mailing list, please fill out this coupon and return it by mail to the address shown above.*

*Thank you!*

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- Draft EE/CA and Draft Action Memorandum for NTC's Site 1 (Inactive Landfill)
- Public Review and Comment/Public Meeting on Site 1 Draft EE/CA Document
- Administrative Record File Availability

**INSIDE - INFORMATION ON:**

Southwest Division  
Naval Facilities Engineering Command  
1220 Pacific Highway, Code 18  
San Diego, CA 92132-5190

**DEPARTMENT OF THE NAVY**

Southwest  
Division  
Naval  
Facilities  
Engineering  
Command



**NAVAL TRAINING CENTER**

S A N D I E G O , C A L I F O R N I A

FACT SHEET NO. 5

JUNE 1996

**Public Review and Comment Period Opens for Proposed Cleanup Action at Site 1 (Inactive Landfill)**

**INTRODUCTION**

This fact sheet informs the public about the opportunity to provide input to the U.S. Navy regarding a proposed removal action for Naval Training Center (NTC), San Diego. This action is being taken as part of the Navy's Installation Restoration Program. This program is designed to investigate and clean up hazardous waste sites in accordance with federal and state laws and regulations.

The public is invited to review and comment on the Draft Engineering Evaluation/Cost Analysis (EE/CA) document. The 30-day public review and comment period will be held from **June 21, 1996 through July 22, 1996**. The document is available in two local libraries listed on the back page. A public meeting will be held on **July 10, 1996 at 7:00 p.m. in Building 623 (the Support Center) at NTC** to discuss the Draft EE/CA and an accompanying document, the Draft Action Memorandum, and to accept public comments on the documents.

The U. S. Navy proposes to carry out an environmental cleanup, classified as a non-time-critical removal action under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, for Site 1 (Inactive Landfill) (see Figure 1 inside). Based upon information from site inspections and environmental investigations conducted at the site, the proposed removal action calls for a single-layer soil cover for the inactive landfill. A removal action is necessary in order to:

- reduce the potential for human and ecological exposure to the potentially contaminated landfill wastes;
- reduce the potential for generation of leachate (liquid produced by the percolation of rain or other water through the landfill, picking up soluble chemicals as it passes through the ground); and
- reduce potential landfill gas generation (gas production is regulated by the San Diego Air Pollution Control District).

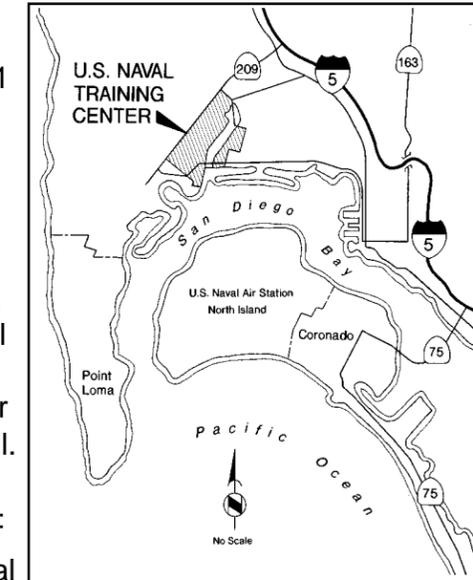
The preferred cleanup action is evaluated in the EE/CA document that is now available for public review and comment (see side box). After the 30-day public review and comment period (June 21 through

July 22), the Navy will consider public comments in the final selection of a removal action for Site 1. The Navy will respond to all comments received during the 30-day review period.

The Draft Action Memorandum, also available for public review and comment, serves as the primary

decision document substantiating the need for the removal action, identifies the selected action, explains the rationale for the removal, and responds to significant public comments.

Soil cover design will begin in 1996. The actual field work to complete the removal action is expected to take approximately 4 months or less.



# What is a Removal Action?

Federal regulations called the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), define "removal actions" as the cleanup or removal of released hazardous substances, actions to monitor the threat of release of hazardous substances, and actions to mitigate or prevent damage to public health or welfare or the environment. The NCP includes provisions for the "containment, treatment, disposal or incineration of hazardous materials, where needed, to reduce the likelihood of human, animal, or food chain exposure". In addition, pertinent sections of the California Health and Safety Code address removal actions. ■

## SITE 1: INACTIVE LANDFILL

### Past Operations

The Inactive Landfill was a municipal-type disposal location for wastes generated by NTC and neighboring Marine Corps Recruit Depot (MCRD). Wastes from day-to-day NTC and MCRD operations were disposed of at this 42-acre landfill, located on reclaimed salt marsh land on the eastern boundary of NTC between Lindbergh Field and the Boat Channel (see Figure 1). MCRD operated the landfill between approximately 1950 and 1971. In the mid-70s, after use of the landfill was discontinued, it was covered or "capped" with soil to contain the refuse. Figure 2 is an oblique view and cross section of the landfill.

In 1975, this area was transferred to NTC. Of the 42 acres composing the site, 10.4 acres encompass a protected area for the California least tern, an endangered bird species. In the 1980s, the 10.4-acre site was covered with sand to enhance the habitat for the least tern. Least terns continue to nest and hatch their young annually at the site.

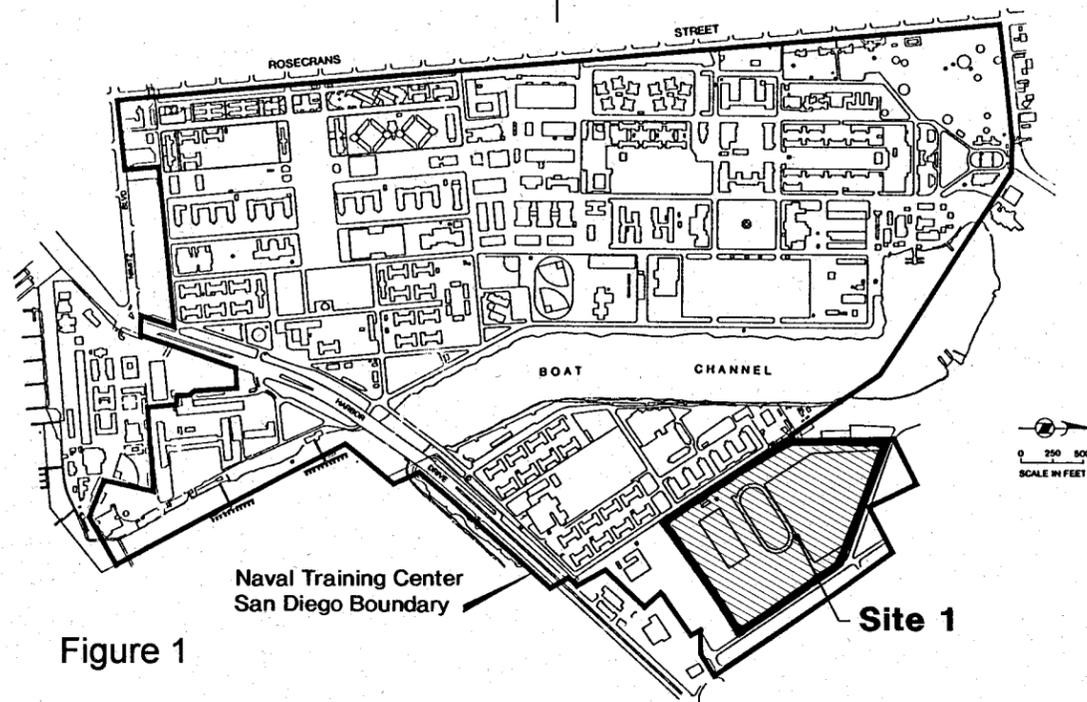


Figure 1

### Previous Investigations

Previous studies identified the following wastes as being potentially disposed of at Site 1: dumpster wastes (refuse); rubble; infectious wastes; paint wastes and thinners; empty pesticide containers; pentachlorophenol sludges; waste motor oils; industrial solvents; and some plating wastes, possibly containing cyanides. The Final Extended Site Inspection for the Inactive Landfill, completed in February 1996, evaluated the thickness of the soil cover, the boundaries of the waste disposal areas, the groundwater in the vicinity of the Inactive Landfill, and landfill gas emissions. It recommended that the soil cover be improved and maintained to prevent:

- potential direct exposure of humans or wildlife to landfill materials;
- ponding and excess infiltration (movement) of water into the landfill materials; and
- release of landfill gas above regulatory limits.

The Final Extended Site Inspection is available at the information repositories (see back page).

### Alternatives Evaluated/Recommended Action

The EE/CA document identifies removal action objectives, evaluates cleanup alternatives, and recommends a preferred alternative or action. The removal action alternatives considered follow the U.S. Environmental Protection Agency (USEPA) Guidance for Presumptive Remedies. The "presumptive remedy" approach addresses evaluation and cleanup for specific types of contaminated sites. For landfills, cleanup involves groundwater monitoring and containment of wastes through the construction of a landfill cover to lower landfill gas emissions. For the NTC Inactive Landfill, two removal actions were identified and evaluated: 1) a multiple-layer cap and 2) a single-layer soil cover. These alternatives also address provisions for groundwater monitoring and air monitoring, as necessary. A third alternative was also evaluated. This is a "no-action" alternative -- that is, taking no action to remove the potential for exposure.

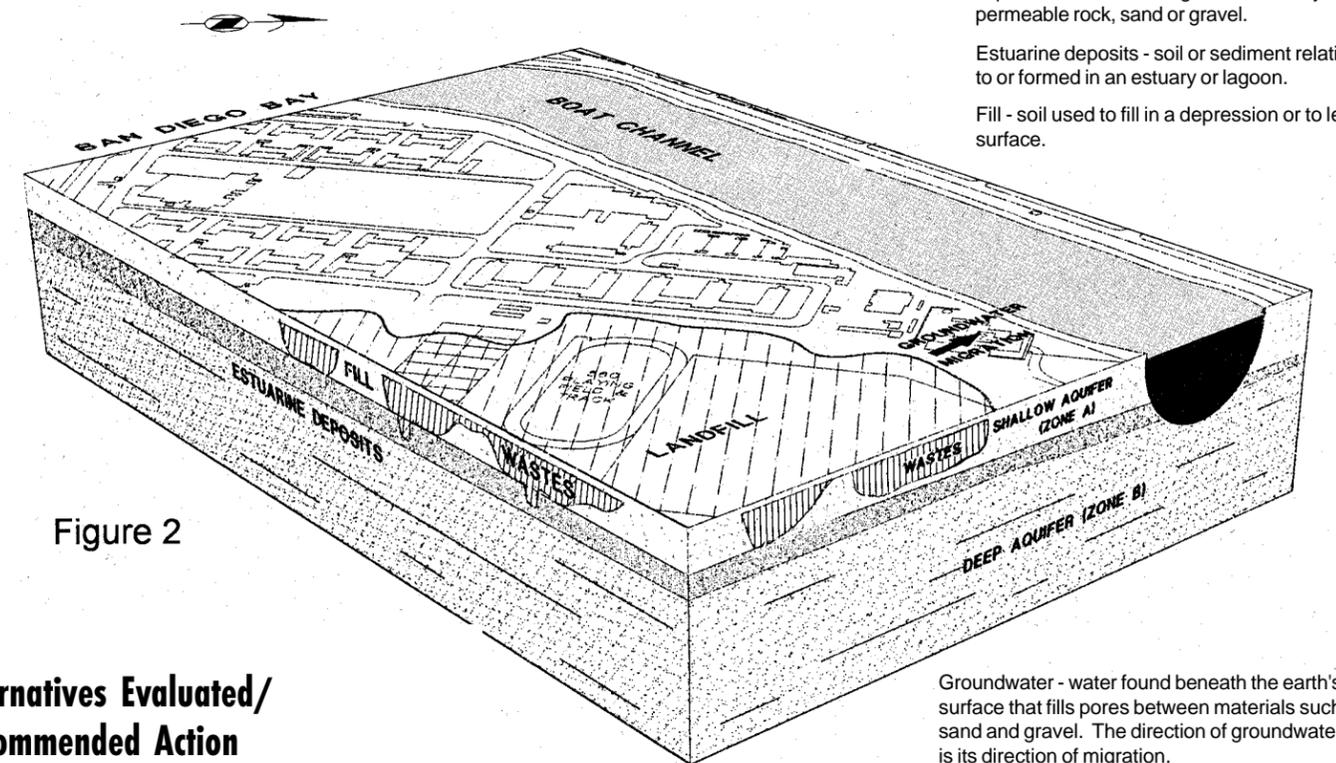


Figure 2

Aquifer - a water-bearing subsurface layer of permeable rock, sand or gravel.

Estuarine deposits - soil or sediment relating to or formed in an estuary or lagoon.

Fill - soil used to fill in a depression or to level a surface.

Groundwater - water found beneath the earth's surface that fills pores between materials such as sand and gravel. The direction of groundwater flow is its direction of migration.

The EE/CA was prepared following USEPA and Department of Navy guidance for non-time-critical removal actions under CERCLA. It addresses the implementability, effectiveness, and cost of each removal action alternative. The EE/CA also addresses applicable regulatory requirements. Alternatives are compared and ranked on this basis.

Based upon evaluation of the three alternatives, the draft EE/CA recommends the single-layer soil cover. This is due to its greater long-term effectiveness and reduced cost compared to the multiple-layer cap. The "no-action" alternative is not recommended because it does not achieve the removal action objectives. If the recommended alternative is approved, the single-layer soil cover will consist of a minimum of 24 inches of clayey/silty soil with vegetation planted for erosion

control. Drainage trenches will be installed to divert runoff into the existing storm drain system. A groundwater monitoring program will be established to monitor for potential impacts to waters of the Boat Channel and San Diego Bay. Landfill gas monitoring also will be implemented, as needed.

### Administrative Record File

The administrative record file for NTC Site 1 (Inactive Landfill) is available for public review at Southwest Division Naval Facilities Engineering Command, 1220 Pacific Highway, San Diego. Contact Ms. Chris Potter at (619) 532-1144 for further information.

An index of documents composing the Site 1 administrative record file is available to the public at the information repositories listed on the back page. ■