

NAVAL TRAINING CENTER INSTALLATION RESTORATION PROGRAM SITES: AN OVERVIEW

N00247.000012
NTC SAN DIEGO
SSIC NO. 5090.3



California Least Tern Hatchlings



Site 1 Today - View looking North

SITE 1 - INACTIVE LANDFILL

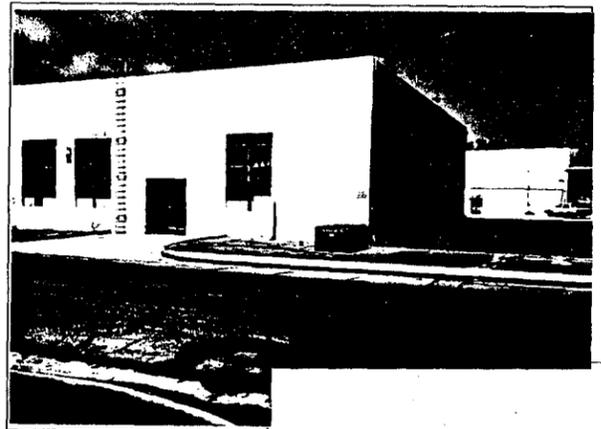
The Inactive Landfill comprises 32 acres of property on the eastern boundary of Naval Training Center (NTC) between Lindbergh Field and the boat channel. It was operated by Marine Corps Recruit Depot (MCRD) San Diego between the late 1940s and 1971 to dispose of refuse from day to day operations at MCRD and NTC. In the mid-1970s, after use of the landfill was discontinued, it was covered or "capped" with soil to contain the refuse.

In 1975, this area was transferred to NTC. Of the 32 acres that make up the site, 13.2 acres encompass a protected area for the California Least Tern, an endangered bird species. Sand was brought in to cover the area and enhance the habitat for the California Least Tern in the 1980s. In 1993, the landfill cap was graded to control the emission of landfill gases. This grading is considered regular landfill maintenance and continues today.

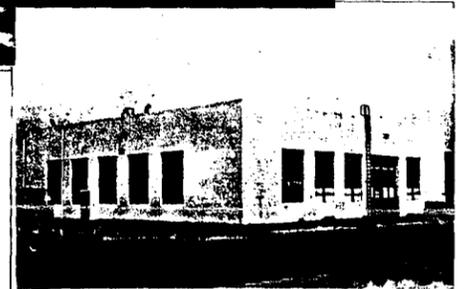
STATUS: Recent fieldwork at Site 1 began in February 1995. Activities include surface soil (cap) and groundwater sampling and analysis, landfill gas sampling, surface magnetic geophysical surveying, and additional groundwater monitoring well installation. Information gathered during this fieldwork will be used to develop the Extended Site Inspection report to be completed September 1995. Human health and ecological risks will also be addressed in this report.

SITE 2 - BUILDING NO. 227 UST SITE

Soil borings made during a subsurface soil investigation for a construction project indicated petroleum contamination in the vicinity of Building 227. Six underground tanks were removed from the area in 1991. The San Diego County Department of Environmental Health provided oversight for the activity. A Site Assessment was also completed in 1991. Analytical results of soil samples identified the presence of petroleum hydrocarbons. This contaminated soil was excavated and replaced with clean soil in 1995.



Bldg. No. 227 Today



Bldg. No. 227 - Constructed in 1942

STATUS: Groundwater cleanup at Site 2 is scheduled to begin in 1996 and is anticipated to be completed in 1998.



NEX Gas Station Today

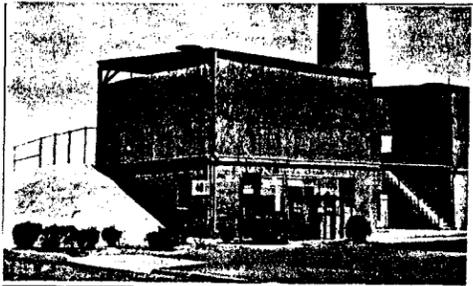


NEX Gas Station-Originally Constructed in 1941

SITE 3 - NAVY EXCHANGE (NEX) GAS STATION

The NEX Gas Station has been in operation on the corner of Nimitz Boulevard and Rosecrans Street since the 1950s. In 1973 gasoline was discovered in one of the excavation trenches during the construction of a hotel complex across Nimitz Boulevard. In 1974, gasoline floating on top of groundwater was removed. The NEX Gas Station and a nearby commercial gas station were suspected as potential sources of the gasoline. A Site Inspection conducted in December 1991 indicated that petroleum contamination is present at the NEX Gas Station. In 1992, gasoline was removed from one of the groundwater monitoring wells. A Phase I Extended Site Assessment was performed to characterize and determine the extent of petroleum hydrocarbon contamination in January 1995.

STATUS: Phase II Extended Site Assessment fieldwork is currently underway to further characterize and determine the extent and source of soil and groundwater contamination at the NEX Gas Station. A report documenting the findings of this work and recommending cleanup options is scheduled for completion in February 1996.



*Classified Document
Incinerator -
Constructed 1942*



Site 4 Today-View Looking Southeast

SITE 4 - FORMER CLASSIFIED DOCUMENT INCINERATOR SITE (BUILDING 40)

The document incinerator operated from the 1940s to the late 1960s to burn classified documents. The incinerator building encompassed approximately 2,178 square feet. It consisted of two incinerators with a smoke stack constructed between them. The incinerator was demolished in 1982. A Preliminary Assessment of this site was begun in April 1994 and included extensive record searches at various military repositories. No evidence regarding inappropriate usage, storage, or disposal of hazardous substances was found.

STATUS: Based upon data collected during the Preliminary Assessment and concurrence with U.S. Environmental Protection Agency and California Department of Toxic Substances Control, no further action is required at Site 4.



SITE 6 - GOLF COURSE MAINTENANCE SHOP (BUILDING 516)

The golf course maintenance shop, Building 516, is located at the northwest end of NTC. It was constructed between 1971 and 1973 and is still in operation. The equipment stored at Building 516 is used to maintain the landscape at the golf course. The Initial Assessment Study conducted in 1986 reported that residual volumes of pesticides were disposed in an area adjacent to this building. A Preliminary Assessment of this site was conducted in April 1994. Based on information collected, further action was recommended.

STATUS: In order to augment data collected during the Preliminary Assessment, a Site Inspection at Site 6 began in August 1995. Soil borings and groundwater samples will be taken to determine whether a release has occurred and whether further action is necessary.

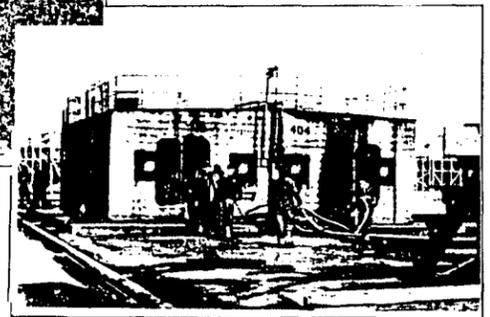
SITE 5 - FORMER FIREFIGHTER TRAINING SCHOOL

The firefighter training school was active from 1943 to the 1960s. The school operated in the area where Buildings 554 and 555 are now located. Navy personnel attending the school were trained in controlling and

extinguishing fires. Open pits and buildings were used to contain the fires and petroleum products were used as the fuel source. A Preliminary Assessment of this site was conducted in April 1994. Based on information collected, further action was recommended.

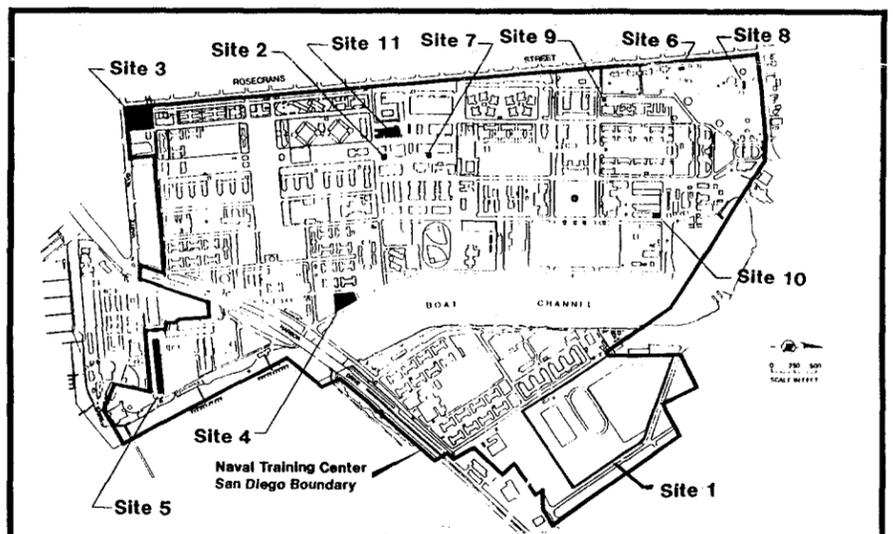


Soil Sampling at Site 5



Firefighter Training School-Constructed in 1944

STATUS: In order to augment data collected during the Preliminary Assessment, a Site Inspection at Site 5 began in August 1995. The Site Inspection will include collecting information on the physical and chemical characteristics of the subsurface soil and groundwater. Soil borings and groundwater samples will be taken and analyzed to evaluate whether a release has occurred at the site and whether further action is necessary.



SITE 7 - BUILDING 49/50A UST SITE

A 3,200-gallon underground storage tank adjacent to former Building 50A (now part of Building 49) was removed in January 1988, in conjunction with building demolition and reconstruction. The removal was conducted with oversight by the San Diego County Department of Environmental Health. Examination of the tank revealed several leaks. Visual inspection and analysis of the soil samples indicated that fuel oil had escaped from the tank. The excavation was filled with clean, compacted material.

A Site Assessment was conducted in 1992 to investigate the extent of soil contamination. The report indicated that approximately 80 cubic yards of soil were contaminated with fuel oil.



STATUS: Contaminated soil at Site 7 is scheduled to be cleaned up during 1996.



SITE 8 - BUILDING 368 UST SITE

A 550-gallon tank adjacent to Building 368 was removed in January 1994. The San Diego County Department of Environmental Health provided oversight for the activity. Visual inspection and soil sample analysis indicated that petroleum hydrocarbons had leaked from the tank. In 1995, the contaminated soil was removed and the excavation filled with clean soil. However, analysis of soil samples taken later indicated the presence of a deeper level of contamination.

STATUS: A Site Assessment at Site 8 is scheduled to begin in 1996 to delineate the deeper level of contamination and to determine potential cleanup actions.

SITE 9 - BUILDING 196 UST SITE

A 60-gallon tank adjacent to Building 196 was removed in April 1994. The San Diego County Department of Environmental Health provided oversight for the activity. Visual inspection and soil sample analysis indicated that

petroleum products had leaked from the tank. In December 1994, the contaminated soil was removed and the excavation filled with clean soil.



Site 9 Today-View Looking Northwest

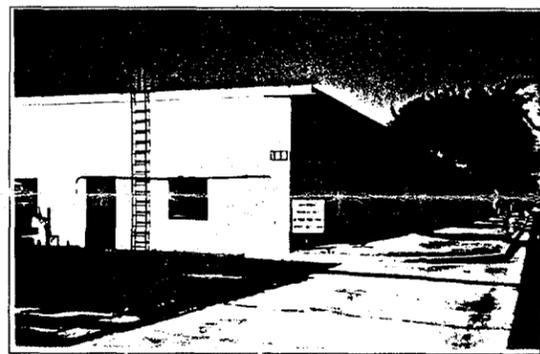


Building 196 - Constructed in 1942

STATUS: Upon completing the removal of contamination at Site 9, soil samples were collected and analyzed. Based upon the results of this analysis, the Navy has requested "Site Closure" from the San Diego County Department of Environmental Health.

SITE 10 - FORMER AUTO HOBBY SHOP (BUILDING 189) UST SITE

Site 10 consisted of a 100-gallon concrete underground storage tank formerly used to store waste oil. This tank was removed in August 1994. The San Diego County Department of Environmental Health provided oversight for the activity. Visual inspection and soil sample analysis indicated that petroleum products had leaked from the tank.



STATUS: A Site Assessment to determine the extent of petroleum hydrocarbon contamination to soil at Site 10 is scheduled to be completed in October 1995. A cleanup method will be developed based upon this assessment. Cleanup is anticipated to be completed during 1997.



SITE 11 - FORMER DRY-CLEANING FACILITY (BUILDING 226) UST SITE

Site 11 consists of two steel underground storage tanks formerly used to store Stoddard Solvent, a petroleum-based solvent used in dry cleaning. Both tanks, located beneath Building 226, were abandoned in place in December 1994. Abandonment included filling both 2,000-gallon tanks with clean sand. Soil sample analyses conducted in January 1995 indicated soil contamination from petroleum products as Stoddard Solvent beneath the tanks.

POINTS OF INTEREST

Points of Interest (POIs) are:

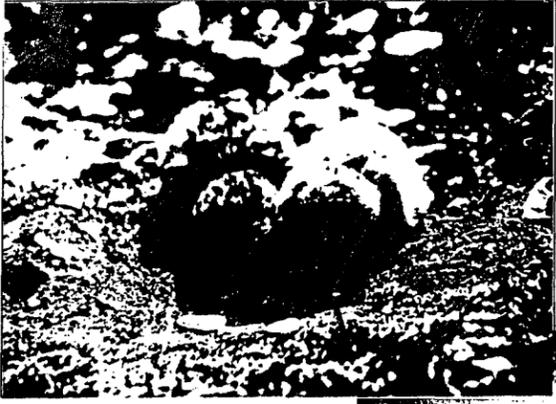
- 1) Areas where storage of hazardous substances or petroleum products has or may have occurred, or
- 2) Areas identified during record searches whose descriptions on historical maps indicate the possibility that handling of hazardous substances may have occurred.

After being identified, each POI is evaluated to determine the need for further action.

STATUS: A Site Assessment is currently being conducted at Site 11 to determine the extent of petroleum hydrocarbon contamination in the soil. A cleanup method will be developed based upon this assessment. Cleanup is anticipated to be completed during 1999.

STATUS: Approximately 93 POIs have been identified at NTC. Thirteen POIs are currently being investigated in the field to determine the need for further action. During this investigation, data collection may include using ground-penetrating radar, electromagnetic induction, and/or soil and groundwater sampling. Document research is ongoing for the remaining POIs to determine if further action is warranted.

NAVAL TRAINING CENTER INSTALLATION RESTORATION PROGRAM SITES: AN OVERVIEW



California Least Tern Hatchlings



Site 1 Today - View Looking North

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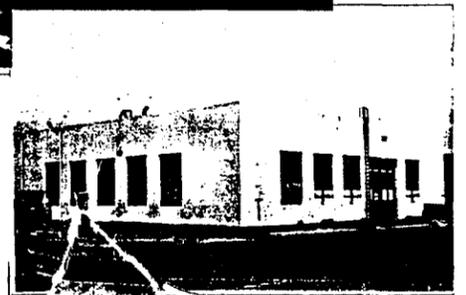
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NEX Gas Station-Originally Constructed in 1941

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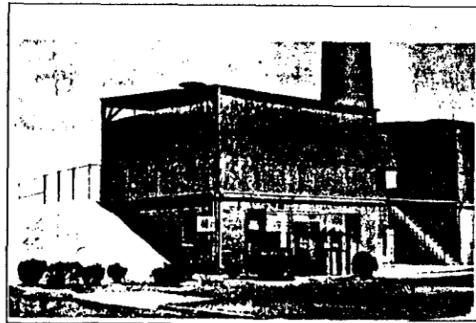
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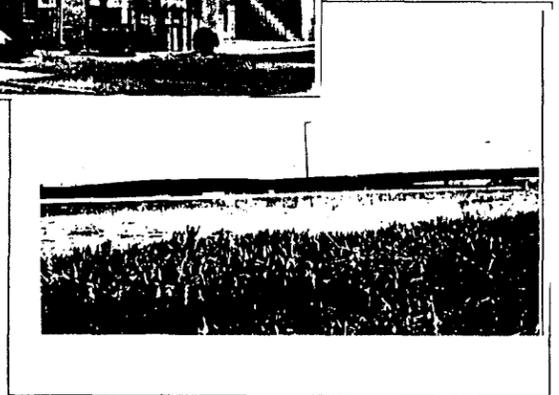
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Classified Document Incinerator - Constructed in 1942



Site 4 Today - View Looking Southeast



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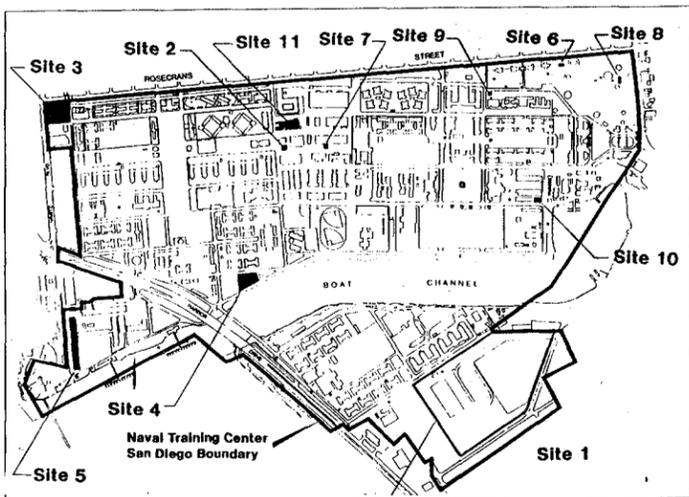
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Firefighter Training School - Constructed in 1944



NTC SAN DIEGO SITE LOCATIONS

SITE 6 - GOLF COURSE MAINTENANCE SHOP (BUILDING 516)

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Site 9 Today -
View Looking
Northwest

Building 196 - Constructed in 1942

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POINTS OF INTEREST

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