

FFIDs:	CA917002727200, CA917002755400, CA917002319000, and CA917002726700
Size:	1,563 acres
Mission:	Provide logistics support for assigned ships and service craft; perform authorized work in connection with construction, alteration, dry docking, and outfitting of ships and craft assigned; perform manufacturing, research, development, and test work
HRS Score:	NA
IAG Status:	None
Contaminants:	Chlorinated solvents, solvents, acids, blasting grit, paint, heavy metals, industrial wastewater, and industrial liquid waste
Media Affected:	Groundwater, surface water, sediment, and soil
Funding to Date:	\$54.6 million
Estimated Cost to Completion (Completion Year):	\$20.4 million (FY2018)
Final Remedy in Place or Response Complete Date for BRAC Sites:	FY2005
Five-Year Review Status:	Planned



Long Beach, California

Restoration Background

The Long Beach Naval Complex consists of the Long Beach Naval Shipyard (NSY), Naval Station (NS) Long Beach, and the Long Beach Naval Hospital (NAVHOSP). The BRAC Commission recommended closure of the NAVHOSP, the NS, and associated housing areas in FY91, and closure occurred in FY94. Closure of the NSY and associated housing areas was recommended in July 1993 and occurred in September 1997.

NSY and NS operations that contributed to contamination include ship and vehicle repair and maintenance, utility maintenance and operation, support shops, storage of petroleum products and hazardous materials, laundry and dry cleaning, steam plant operations, and air compressor operations. Portions of housing areas associated with the NSY were used to dispose of ship wastes, drilling mud, and construction debris. The primary sites of concern are disposal pits into which a variety of wastes were deposited.

No action was necessary for industrial use of NS Site 6A. Phases I and II of the remedial investigation and feasibility study (RI/FS) were combined.

In FY94, the installation formed a BRAC Cleanup Team (BCT), which completed a BRAC cleanup plan and an environmental baseline survey (EBS) for NS and NAVHOSP. In FY94, the joint NS and NSY technical review committee was converted to a Restoration Advisory Board (RAB).

In FY96, the installation completed the RI for NS Sites 1 through 6A and the engineering evaluation and cost analysis (EE/CA) and action memorandum (AM) for NS Site 3. Removal of arsenic-contaminated soil from Site 3 also was completed. At the former

NS gas station, the installation began operating a soil vapor and liquid extraction and bioremediation system to clean up petroleum contaminants in soil and groundwater.

In FY97, the installation began an interim remedial action (IRA) at Sites 2, 5, 11, and 12. The groundwater investigation for Site 6A began, and cleanup of Site 6B NSY was completed. EE/CAs for four sites and an EBS for NSY housing were completed.

In FY98, the installation completed an RI for Sites 8 through 13, an IRA at four sites, a site inspection for Site 14, and the FS for Sites 3 through 6A. The FS for Sites 8, 10, and 11 was drafted, and the installation issued an EE/CA for Site 14. The RI for Site 7 and the proposed plan (PP) for Sites 3 through 6A were finalized.

In FY99, the FS and PP for Sites 1 and 2 were finalized. The Record of Decision (ROD) for Sites 3, 4, 5, and 6A was finalized. The draft FSs for Sites 7, 9, 12, and 13 were submitted for review.

FY00 Restoration Progress

The installation completed a ROD for Sites 1 and 2 and began remedial design and remedial action for the sites. An AM for Site 14 was completed, and an IRA was initiated. A site management plan was drafted and sent to the regulatory agencies for review. All USTs have been removed. Cleanup is under way at the two remaining UST sites.

The FS and PP planned for Site 7 were not accomplished because of late regulatory review and site complexities. The FS and PP for Sites 8, 10, and 11 were delayed by late regulatory review and low site priority. The FS and PP for Sites 9, 12, and 13 were delayed by late receipt of regulator comments.

The RAB reviewed Installation Restoration Program documents and attended bimonthly meetings. Monthly BCT meetings are conducted. A federal facilities site remediation agreement was executed between the Department of the Navy and the California Department of Toxic Substances Control.

Plan of Action

- Continue long-term operations and monitoring at Sites 1 and 2 in FY01
- Complete the FS and PP for Sites 8, 10, and 11 in FY01 and the ROD in FY02
- Complete Site 7 FS in FY01 and the PP and ROD in FY02
- Complete the FS and PP for Sites 9, 12, and 13 in FY01 and the ROD in FY02
- Complete the IRA at Site 14 by FY02
- Complete 5-year review as planned

BRAC SITES ACHIEVING RIP OR RC PER FISCAL YEAR

