Concord Naval Weapons Station NPL

Size: 13,023 acres
Mission: Ship, receive, inspect, and classify munitions (tidal area); serve as munitions storage and weapons maintenance, inspection, and testing facility (inland area)
HRS Score: 50.00; placed on NPL in December 1994
IAG Status: Federal Facility Site Remediation Agreement signed in September 1992
Contaminants: Heavy metals and petroleum hydrocarbons
Media Affected: Groundwater, surface water, sediment, and soil
Funding to Date: $43.8 million
Estimated Cost to Completion (Completion Year): $28.6 million (FY2011)
Final Remedy in Place or Response Complete Date for All Sites: FY2008

Concord, California

Restoration Background

Since FY83, investigations have identified 58 sites at this installation. Past operations, such as improper disposal of paints and solvents, spent ordnance, treated wood, and household and industrial waste; open burning of munitions; and spills or leaks from fuel storage tanks, have contributed to contamination. The installation was placed on the National Priorities List (NPL) in 1994, primarily because of surface water and sediment contamination at tidal and litigation-area sites. These sites contain sensitive habitat for threatened and endangered species and are interconnected to Suisun Bay.

During the period of FY86 through FY94, the installation completed the Remedial Investigation and Feasibility Study (RI/FS), signed the Record of Decision (ROD), and completed Remedial Design (RD) for the seven litigation-area sites. The Navy entered into consent decrees with the owners of adjacent property and recovered cleanup costs. By FY94, the installation had completed the Remedial Action (RA) for four of the litigation area sites. Site Inspections (SIs) were completed and RI began at four tidal area sites and five inland sites; SIs were also performed for six other sites. A RCRA Facility Assessment (RFA) was done for 49 solid waste management units (SWMUs), 24 of which were proposed for RCRA corrective action. Three tanks were removed from an underground storage tank (UST) site, and initial site characterization was completed for one UST site.

In FY95, three abandoned wells were closed and sealed at one inland site. By FY96, the installation had completed the RA and begun long-term monitoring (LTM) for all seven litigation-area sites. In FY97, the installation completed corrective actions for 3 of the 24 SWMUs and completed an RFA confirmation study (RFACS) for the 24 SWMUs, recommending 20 for no further action (NFA).

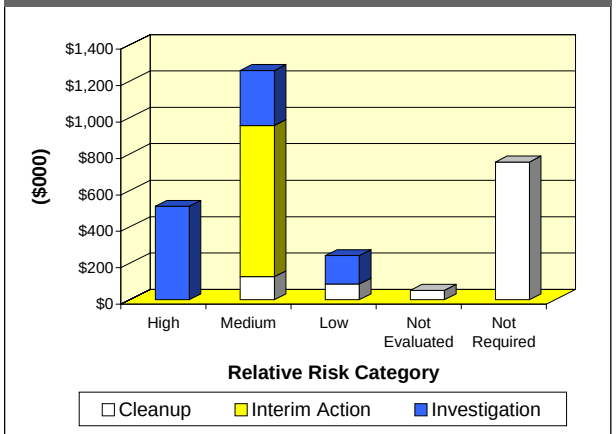
The installation completed its community relations plan (CRP) in FY89 and issued an updated CRP in FY96. An information repository and an administrative record were established in FY89. The installation formed a technical review committee in FY90 and converted it to a Restoration Advisory Board (RAB) in FY95.

FY98 Restoration Progress

The installation completed RIs for five inland area sites and a Phase II RI for one of these sites. The Phase II RI demonstrated that NFA was required and therefore, a no-action Proposed Plan and ROD (PP/ROD) was initiated instead of the planned FS. An FS for the tidal area landfill site was completed and a PP/ROD was initiated for the site. The installation initiated a no-action PP/ROD for four inland area sites, an Engineering Evaluation and Cost Analysis (EE/CA) for one tidal area site, and an SI for four SWMUs and one inland site (Site 29). A risk-based corrective Removal Action was completed for one inland area site. The installation continued LTM for the litigation area sites.

The RIs for four tidal area sites and the EE/CA and Action Memorandum (AM) and Removal Action for 1 tidal area site were delayed because regulatory agencies required an ecological assessment. The data must be analyzed and the RI report finalized before an FS can begin, the EE/CA and AM can be completed, and the Removal Action design can begin. The draft PP/ROD for four inland sites was submitted for regulatory agency review in August, and a fifth inland site was removed from the Installation Restoration Program.

Plan of Action

- Complete RIs for four tidal area sites and initiate FS for three tidal area sites in FY99
- Complete EE/CA and AM for one tidal area site removal and begin EE/CA and AM for another part of same site in FY99
- Initiate Removal Action design for one tidal area site and LTM for seven litigation area sites in FY99
- Initiate EE/CA and AM for one litigation-area site and accomplish Preliminary Assessment for one area of concern (AOC) in FY99
- Initiate SI for an AOC in FY99

FY99 Funding by Phase and Relative Risk