



California Regional Water Quality Control Board

Central Valley Region

Robert Schneider, Chair



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Ms. Lynn Marie Hornecker
Department of the Navy, Southwest Division
Naval Facilities Engineering Command
1220 Pacific Highway
San Diego, CA 92132-5190

30 MAY 2003 DRAFT WORKPLAN FOR ENHANCED IN SITU BIOREMEDIATION OF PETROLEUM HYDROCARBONS, UNDERGROUND STORAGE TANK SITE 117, NASA CROWS LANDING FLIGHT FACILITY, CROWS LANDING, STANISLAUS COUNTY

We have received your 30 May 2003 draft workplan, *Enhanced In Situ Bioremediation of Petroleum Hydrocarbons, Underground Storage Tank Site 117, NASA Crows Landing Flight Facility, Crows Landing, California*, that was prepared by your consultant, Shaw Environmental & Infrastructure, Inc. The workplan describes the methodologies associated with a demonstration project to evaluate the enhanced in situ bioremediation at underground storage tank (UST) Site 117. The demonstration project will utilize *in situ Submerged Oxygen Curtain (iSOCTM)* technology to introduce oxygen into the aquifer. Oxygen will be injected into the aquifer through three injection wells that will be located downgradient to the former location of the Site 117 UST, but west of the property line at Bell Road. A series of temporary monitoring wells will be installed near the injection wells to monitor the progress of the demonstration project. It is anticipated the duration of the demonstration project could be up to 1.5 years.

The Regional Board has no comments regarding the workplan. The proposed scope of work appears reasonable, and the technology may prove to be a viable remedial alternative for the site. As such, the Regional Board has no objections to the demonstration project proceeding as described. Please provide our office with at least a 24-hour notice prior to beginning any fieldwork.

If you have any questions, please contact Greg Issinghoff at (559) 488-4390.

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