



California Environmental Protection Agency
Regional Water Quality Control Board

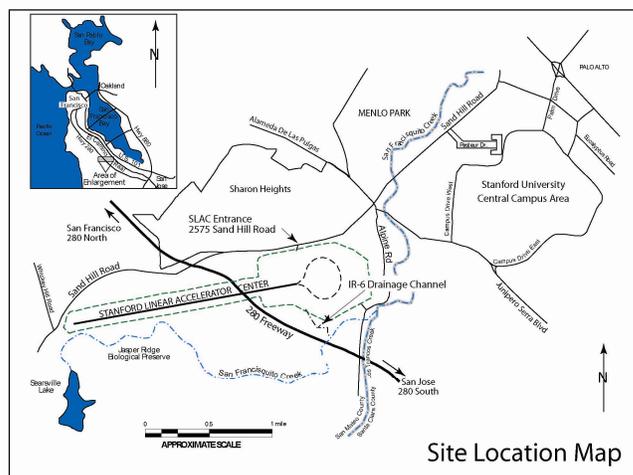
Stanford Linear Accelerator Center
Environmental Restoration Project
Fact Sheet 02 - June 2006

Introduction

This is the second in a series of fact sheets that is being distributed to inform the local community about environmental restoration work being conducted at the Stanford Linear Accelerator Center (SLAC) facility located at 2575 Sand Hill Road in Menlo Park, San Mateo County, California. This fact sheet describes two documents that are available for public comment and provides information on how to access the documents and provides instructions for submitting comments. The two documents are the *Work Plan for the Remedial Investigation and Feasibility Study (RI/FS Work Plan)* and the *Interaction Region 6 (IR-6) Drainage Channel Engineering Evaluation/Cost Analysis and Action Plan*.

Background and Site Location

SLAC is a research facility, specializing in photon science, and particle and particle astrophysics research. SLAC is located approximately two miles west of the main Stanford University campus. The facility is operated by Stanford University for the U.S. Department of Energy (DOE). The Water Board is the administering State regulatory agency overseeing the Environmental Restoration Project at SLAC under Site Cleanup Requirements Order R2-2005-0022, issued May 2005. Stanford University and the DOE have worked closely with the Water Board and other regulatory agencies since the 1980s to identify and restore areas of the facility impacted by releases of chemicals, such as cleaning solvents, transformer oil, and motor oil, to soil, groundwater, and surface water. Over the last 20 years, significant progress on the cleanup activities has been made to restore impacted areas, including installing and operating groundwater extraction and treatment systems, excavating chemically-impacted soil, and restoring environmental habitat when removed for the cleanup.



Description of Documents for Public Comment

The *RI/FS Work Plan* describes the work required to implement Water Board Order No. R2-2005-0022. The Order consolidates remedial activities under a consistent regulatory framework and requires Stanford University and the DOE to complete site investigations, prepare human health and ecological risk assessments, evaluate cleanup alternatives, propose site cleanup plans, and perform the cleanup. One of the initial documents required under the Order is the *RI/FS Work Plan*. This document describes the environmental investigation areas, the physical setting including geology and hydrogeology, the general approach for completing the RI/FS work, work completed to date, and the implementation schedule for completing additional documents. The report also includes the following companion documents: a *Field Sampling Plan*, a *Quality Assurance Project Plan*, and a *Standard Operating Procedures Manual*. These supporting documents provide procedures and guides to support the collection of data.

While additional studies and documents are being completed, interim remedial actions will be conducted on an on-going basis to ensure continued progress on the site cleanup. The *Interaction Region 6 (IR-6) Drainage Channel Engineering Evaluation/Cost Analysis and Action Plan* describes a maintenance removal action that will be conducted by SLAC this summer in a drainage channel that is located adjacent to SLAC's southern boundary in an area fenced and maintained by SLAC. The document presents the evaluation of options and the proposed

plan for removing accumulated sediments that contain elevated levels of polychlorinated biphenyls (PCBs) above the Water Board's published Environmental Screening Levels of 0.22 milligrams per kilogram (mg/kg). The PCBs are primarily a result of past operations and/or past spills or leaks from electrical transformers. The sediments also contain some metals such as lead above naturally occurring background concentrations, likely the result of former handling and storage of lead shielding and former use of lead-based building paints. The proposed plan consists of removing and properly disposing of approximately 350 cubic yards of material, restoring the area with clean backfill, placing erosion control matting, and re-vegetating the area with native plant species.

Instructions for Public Comment

The public comment period for the *RI/FS Work Plan* and the *Interaction Region 6 (IR-6) Drainage Channel Engineering Evaluation/Cost Analysis and Action Plan* will close July 16, 2006. The reports are available for review at the local Information Repository that has been established in the reference section at the Menlo Park Public Library, located at 800 Alma Street in Menlo Park, as well as at the Water Board office. Electronic versions of reports are available on the State's data management site at {<http://www.geotracker.swrcb.ca.gov>}; click on "Case Finder" then enter the case number "2179.7052", click on "Report", and select a type of report to view. Other documents created to date pursuant to Water Board Orders are also posted on that website. Public comments may be directed to:

Neil Calder
Director of Communications
Stanford Linear Accelerator Center
2575 Sand Hill Road, MS: 58
Menlo Park, CA 94025
(650) 926-8707
neil.calder@slac.stanford.edu

OR

George Leyva
Engineering Geologist
Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612
(510) 622-2379
gleyva@waterboards.ca.gov



*Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612*

Public Notice