

**STANFORD LINEAR  
ACCELERATOR CENTER  
(SLAC)  
Environmental Cleanup**

February 2007

# SLAC

- SLAC is a 426 acre Office of Science high-energy physics research facility whose mission is the study of the basic properties of matter and has no role in weapons production
- SLAC has four solvent groundwater plumes that are relatively small and still within the site boundaries. There are also polychlorinated biphenyls (PCBs), lead, and petroleum products that have been released in limited areas.
- The site characterization and the requisite regulatory documents are being developed. Concurrently, groundwater and soil vapor treatment systems are being installed, and contaminated soils are being excavated and disposed in off-site landfills.

# SLAC

- The remediation field work is approximately 50% completed and expected to complete by the end of FY2010.
- Installation and regulatory acceptance of all groundwater treatment systems will occur within the next 2 years. Characterization of the soil sites and a majority of the excavation work should be completed within the next 3 years.
- SLAC is an operating site so the EM program will only be able to complete restoration work in accessible areas. The remaining restoration work will be the responsibility of the Office of Science to address when the facility is no longer required.

# SLAC Timeline

- 1962 - The United States establishes the Stanford Linear Accelerator Center (SLAC) at Stanford in Menlo Park, California in a contract and leases the land for the Center from Stanford University
- 1985 – California State Regional Water Quality Control Board (CSRWQCB) issues Compliance Order to Stanford and SLAC for one area, the Former Solvent Underground Storage Tank
- 1994 – Contamination Summary Report for SLAC issued identifying 901 potentially contaminated sites

# SLAC Timeline

- 1995 – DOE identifies SLAC cleanup completion as FY2000
- 1998 – Stanford contract with DOE renewed
- 2003 – Risked-based End-state Vision issued
- 2004 – Stanford contract with DOE renewed
- 2005 – CSRWQCB issues a site-wide Compliance Order to Stanford and DOE at the behest of Stanford with stricter compliance requirements than proposed by DOE

# SLAC Timeline

- 2005 – Core Team concept put in place to resolve technical issues and to facilitate communications between the parties, DOE, Stanford and the CSRWQCB
  - Core Team made up of a single representative from DOE-EM, DOE-SC, Stanford and CSRWQCB
  - Issues unresolved by the Core Team raised to principals (senior managers) from DOE-EM, DOE-SC and Stanford

# SLAC Cleanup Progress

- Cleanup is progressing at SLAC with estimate of completion currently at FY2010;
- Any new cleanup work requested by DOE-SC to DOE-EM will be done on a separate timeline
- Principals met recently in an effort to facilitate greater collaboration between DOE and Stanford