



October 2, 2009

## SLAC Commences Recovery Act Funded Remedial Action Work

### RA Funds Used for Legacy Waste Cleanup

Recovery Act funds are being used to cleanup legacy waste at the SLAC National Accelerator Laboratory, Menlo Park, California. SLAC is operated by Stanford University under contract with the DOE's Office of Science. The EM Oakland Project Office is performing an investigation and remediation of impacted soil and groundwater resulting from the historical spills and leaks that have occurred during the operation of the Stanford Linear Accelerator.

The work is being performed under a Site Cleanup Requirements Order from the California Regional Water Quality Control Board.

The \$7.9 million of Recovery Act work includes soil excavation, transportation, disposal, sampling and restoration activities at 10 waste sites and remedial investigations at four sites. Chemicals of concern include; volatile organic compounds, polychlorinated biphenyls and metals, most notably lead.

### Excavation of Artificial Ridge

The SLAC Environmental Remediation Project contractor began excavation activities the week of August 10, on the Artificial Ridge, a man-made earthen ridge approximately 15-30 feet high, composed of material excavated from the Linear Accelerator trench during the initial development of the SLAC property and material excavated for other construction. The primary contaminant is Polychlorinated Biphenyl's (PCB) that are believed to have come from waste oil and solvents. Excavation at the Artificial Ridge has continued through the week of September 14th due to periodic sample results showing that additional soil removal was necessary. Follow on confirmation sample activities will be performed to determine if another round of soil removal is required.



Artificial Ridge excavation activities



Artificial Ridge excavation



SLAC National Accelerator Laboratory is home to a two-mile linear accelerator—the longest in the world.

### Working Towards The End Result

- Jobs saved/created to date by Recovery Act funds - 110
- Projected waste sites cleaned up – at least 10; remedial investigations may include four additional sites by end of RA.
- Waste disposed – We expect to dispose of > 20,000 cubic yards
- Footprint reduction – The EM project footprint at SLAC will be reduced by ~10 acres
- Recovery Act funds will help the SLAC Project toward achieving the 2011 completion goal, one year earlier.