



U.S. DEPARTMENT OF
ENERGY

Office of
Science

SLAC Site Office

SLAC National Accelerator Laboratory
2575 Sand Hill Road, MS-8A
Menlo Park, CA 94025

DATE: January 11, 2012

MEMORANDUM FOR: Joseph A. McBrearty
Deputy Director of Field Operations
Office of Science

FROM: Paul Golan
Site Manager
SLAC Site Office 

SUBJECT: Annual National Environmental Policy Act (NEPA) Planning
Summary for 2012, SLAC National Accelerator Laboratory

The purpose of this memorandum is to transmit the Annual National Environmental Policy Act (NEPA) Planning Summary for 2012 for the SLAC National Accelerator Laboratory (SLAC), in accordance with the June 1994 Secretarial Policy Statement on NEPA and Department of Energy Order 451.1B.

The SLAC Site Office (SSO) has reviewed ongoing and planned activities at the site and determined, in consultation with the DOE NEPA Compliance Officer, that there is one NEPA Environmental Assessment (EA) that will be completed within the next 12 months. This EA covers activities planned for the Linac Coherent Light Source-II Project and was previously identified in the Annual NEPA Planning Summary for 2011 for SLAC.

We do not anticipate any activities over the next 24 months that will require preparation of an Environmental Impact Statement (EIS). The SSO has determined that planned actions at the site are sufficiently covered by either NEPA Categorical Exclusions or EAs, and that a site-wide EIS would not facilitate future NEPA compliance efforts.

If you have any questions or need additional information, please contact me at (650) 926-3208 or Dave Osugi of my staff, at (650) 926-3305.

Attachment

cc: Sean Lev, GC-50
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Annual NEPA Planning Summary Environmental Assessments Expected to be Prepared in the Next 12 Months

SLAC Site Office

Enter APS report date here

*Title, Location	Estimated Cost	Estimated Schedule (**NEPA Milestones)		Description
Linac Coherent Light Source-II, Menlo Park, California (EA No. DOE/EA-1904)	\$115,000	Determination Date:	7/14/2011	The proposed Linac Coherent Light Source (LCLS)-II Project is an expansion of the existing LCLS x-ray free electron laser (FEL) facility at SLAC, employing sectors 10-20 of the existing 2-mile linear accelerator (linac). The LCLS-II Project includes a new injector to be built at Sector 10 of the 30-sector SLAC linac to create the high brightness electron beam required for the FEL. The second third of the existing linac will be modified by adding two magnetic bunch compressors. Most of the linac, and its infrastructure, will not be changed. The existing LCLS Beam Transport Hall, located in the Research Yard, will be widened and extended to provide a second linac-to-undulator transport line that will enter the berm at the east end of the Research Yard, connecting to an underground tunnel housing two undulators and associated equipment. The two undulators will be installed in series along a single electron beam transport line. A shielded electron beam dump will be located approximately 50 meters downstream of the undulator. A new experimental hall will be constructed approximately 100 meters downstream of the undulator and contain at least four experiment stations, at least two of which will be housed in shielded hutches.
		Transmittal to State:	12/14/2011	
		EA Approval:	TBD	
		FONSI:	TBD	
		Determination Date:		
		Transmittal to State:		
		EA Approval:		
		FONSI:		
		Determination Date:		
		Transmittal to State:		
		EA Approval:		
		FONSI:		
		Determination Date:		
		Transmittal to State:		
		EA Approval:		
		FONSI:	1/9/2012	
* Please include projected NEPA milestones, if planned.		Determination Date:	8	<i>Annual NEPA Planning Summary(year) Program or Field Organization Name</i>