Department of Energy
Washington, DC 20585

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MEMORANDUM FOR RAYMOND L. ORBACH
DIRECTOR, OFFICE OF SCIENCE

FROM: JAMES A. RISPOLI
DIRECTOR, OFFICE OF ENGINEERING AND
CONSTRUCTION MANAGEMENT/ ME-90

SUBJECT: Validation of the Performance Baseline for the Linac Coherent Light Source (LCLS) Project at the Stanford Linear Accelerator Center

This memorandum is to formally validate the Performance Baseline for the LCLS Project (03-SC-002) as required by DOE Manual 413.3-1. At the Energy Systems Acquisition Advisory Board (ESAAB) equivalent meeting on April 8, 2005, the Office of Engineering and Construction Management (OECM) had stated its support for the Approval of the Performance Baseline or Critical Decision (CD)-2.

The Performance Baseline is validated as follows:

- The Total Project Cost (TPC) is $379.0 Million.
- The completion date or Approval of Start of Operations (CD-4) is March 31, 2009.
- The project scope to be completed includes addition of a 135 MeV injector, two magnetic bunch compressors, an undulator, two experimental buildings, and a Central Laboratory Office Building.

While OECM has validated this baseline, we urge that considerable emphasis be placed on risk management throughout the remainder of the project. In particular, there are still design uncertainties with the tunneling effort.

Please call me with any questions, or have your staff call Brian Kong at 202-586-5131.

cc: Pat Dehmer
Dan Lehman