PMC-EF2a
(2/04/02)

U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION

RECIPIENT: Purdue Univeristy **STATE:** IN

PROJECT TITLE : Purdue Solar Energy Utilization Laboratory

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
not applicable	DE-EE0003179	GFO -10-357	EE3179

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:
Description:

B3.6 Siting, construction (or modification), operation, and decommissioning of facilities for indoor bench-scale research projects and conventional laboratory operations (for example, preparation of chemical standards and sample analysis); small-scale research and development projects; and small-scale pilot projects (generally less than two years) conducted to verify a concept before demonstration actions. Construction (or modification) will be within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible).

Rational for determination:

Purdue University proposes to use federal funds to establish and set up a laboratory that will facilitate research and development of new low-cost and high efficiency solar energy technologies and Purdue University. FY2010 funds will be devoted to phase 1 of the project, to set up a laboratory to characterize, test, and certify the performance of photovoltaic materials and devices.

This project will include the acquisition, installation, and testing of a solar cell testing station, external quantum efficiency station, a photoluminescence system, a deep-level transient spectroscopy system. Also included in this project are optimization of nanocrystal-ink and nanowire solar cell performance, and project management and reporting.

This project will take place indoors within the Chemical Engineering building to purchase equipment and establish a laboratory within CHME. An R & D questionnaire has been submitted by Purdue University which thoroughly addresses the chemical and safety protocols within this projects scope.

This project will involve research and development as well as establishment of a laboratory to carryout research and development within an existing facilities on the Purdue University campus; therefore a CX B3.6 applies.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 5/13/10