

PMC-EF2a

(10402)

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



RECIPIENT: PPG Glass Technology Center - Glass R&amp;D

STATE: PA

**PROJECT TITLE :** Low Cost Production of Thin-Film Photovoltaic (PV) Cells

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
NA	DE-EE0003170	GFO-10-438	0

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:

PPG Glass Technology Center proposes to use federal funds to investigate advanced, online process technologies to fabricate low-cost, thin film PV's at high volume. The scope of this project will be Phase 1 and will include a technical feasibility demonstration and initial process design that will enable a financial assessment.

This project will include kinetic studies of the thin film, design and model development, calculation and feasibility demonstration. The applicant has submitted an R & D questionnaire that thoroughly addresses chemical and safety protocols.

This project involves research and development within existing facilities using conventional methods; therefore a Catex B3.6 will apply.

**NEPA PROVISION**

DOE has made a final NEPA determination for this award

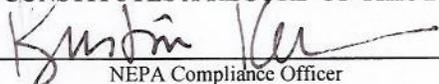
Insert the following language in the award:

Note to Specialist :

Eugene Brown 6/28/2010

**SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.**

NEPA Compliance Officer Signature:

  
NEPA Compliance Officer

Date:

6/29/2010

**FIELD OFFICE MANAGER DETERMINATION**

Field Office Manager review required