

PMC-EF2a

(20102)

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

**RECIPIENT:** Vermont Sustainable Jobs Fund**STATE:** VT**PROJECT TITLE :** Vermont Biofuels Initiative: UVM CEMS

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
	DE-FG36-08GO88182	GFO-GO88182-028	GO88182

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:

The Vermont Sustainable Jobs Fund, sub-recipient University of Vermont proposes to use federal funding to research and develop an algae testing device and to design optimal mixing methods for the enhancement of algae growth while minimizing costs.

This project will include design and construction of the algae testing device, design optimal mixing methods, public presentation, patent applications, preparation and publication of scholarly articles, and project management and reporting.

This project will be lab-scale and take place within the Vortex and Particulate Flows Laboratory located in the College of Engineering and Mathematical Sciences at the University of Vermont. The University has submitted and R & D Questionnaire which thoroughly addresses the chemical and safety handling protocols associated with this project. The University of Vermont has an Environmental Safety Office which administers and oversees OSHA requirements

No GMOs will be used or developed in the implementation of this project. No permits are required for the implementation of this project.

This project is comprised of information gathering and small scale research and development activities within an laboratory; therefore a CX A9 & B3.6 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 6/12/2011

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

NEPA Compliance Officer Signature: Kymin Lee  
NEPA Compliance Officer

Date: 6/27/2011

**FIELD OFFICE MANAGER DETERMINATION**

Field Office Manager review required

**NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:**

- Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.
- Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

**BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :**

Field Office Manager's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Field Office Manager