

PMC-EF2a

(2.04.02)

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



RECIPIENT: Vermont Sustainable Jobs Fund

STATE: VT

PROJECT TITLE : Vermont Biofuels Initiative: Gn Mnt Spark

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	DE-FG36-08GO88182	GFO-GO88182-029	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 Green Mountain Spark proposes to use federal funding to investigate the feasibility of using photo-chemistry to create a single system for oils extraction from micro algae and to produce biofuels from that oil.

This project will include design and construction of a photo-reactor, performance of baseline experiments, optimization of the process oil extraction efficiency, evaluation of the life cycle energy and cost inputs and to characterize the fuel properties, and project management and reporting.

This project will be lab-scale and take place within the Cook Physical Science Building, Chemistry Department labs, and the Department of Agriculture Labs at the University of Vermont in Burlington, VT. 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

This project will not use GMOs will be used in the implementation of this project. No permits are required for the implementation of this project.

This project is comprised of small scale research and development activities within a designated university laboratory; therefore a CX B3.6 applies.

NEPA PROVISION

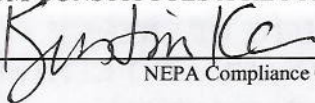
DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Eugene Brown-6/12/2011

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: 
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: _____
Field Office Manager

Date: _____