

PMC-EF2a

(2.04.02)

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



RECIPIENT: University of Nevada, Reno

STATE: NV

PROJECT TITLE : Next Generation BioDiesel from Food Waste

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
CDP	DE-EE0003158	GFO-10-521	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).
- A9** Information gathering (including, but not limited to, literature surveys, inventories, audits), data analysis (including computer modeling), document preparation (such as conceptual design or feasibility studies, analytical energy supply and demand studies), and dissemination (including, but not limited to, document mailings, publication, and distribution; and classroom training and informational programs), but not including site characterization or environmental monitoring.

Rational for determination:

The University of Nevada, Reno proposes to use federal funds to research and develop a way to use non-food based feedstock for the production of biodiesel. In this research project, oil from coffee waste, grease from feather meal, and other waste material will be used as a feed material

This project will include the extraction of oil and triglycerides from feedstock selected, utilization of new heterogeneous catalyst for biodiesel production, utilization of waste product glycerin as an energy resource, production of ethanol from coffee grounds and raw coffee, system integration and flow sheet development of oil/fat extraction with catalyst method, and project management and reporting.

This project involves research and development in existing facilities. The applicant has submitted an R & D questionnaire which thoroughly addresses chemical and safety handling protocols.

This project comprises of conventional research and development in existing facilities and information gathering activities; therefore a CX A9 & 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 8/5/2010

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: 
NEPA Compliance Officer

Date: 8/16/2010