PMC-EF2a

(2/04/02)

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

RECIPIENT: Purdue University **STATE:** IN

PROJECT TITLE : Watershed Scale Optimization to Meet Sustainable Cellulosic Energy Crop Demand

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000314	EE0004396	GFO-0004396-001	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:

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.

B3.1 Onsite and offsite site characterization and environmental monitoring, including siting, construction (or modification), operation, and dismantlement or closing (abandonment) of characterization and monitoring devices and siting, construction, and associated operation of a small-scale laboratory building or renovation of a room in an existing building for sample analysis. Activities covered include, but are not limited to, site characterization and environmental monitoring under CERCLA and RCRA. Specific activities include, but are not limited to:

Rational for determination:

Purdue University proposes to use federal funds to study and analyze the needs required to develop a sustainable biomass energy crop. In this project they will model the data collected to determine best management practices. They will analyze field plots in the St. Josephs River and Wildcat Creek watersheds.

This project will include data collection from field sites of measurements of soil quality, plant growth, plant tissues, biomass productivity, and water samples. This data will then be interpreted into the improvement of energy crop representation in soil and water assessment tool model. The information modeled will then be calibrated and optimized against baseline information for use with experimental data based on plausible watershed changes for energy crop best management.

No GMO's will be used in the implementation of this project. All plants used in this project are part of already established and maintained field sites.

This project will include field sampling of energy crop data and data modeling; therefore a CX A9 & B3.1 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 12/28/2010

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 12/30/2010

NEPA Compliance Officer