PMC-EF2a
(2.06.02)

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

RECIPIENT: University of Kansas **STATE:** KS

PROJECT TITLE : "Feedstock to Tailpipe Initiative": Kansas Biofuels Production, Testing and Certification Laboratory

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
CDP	DE-EE0000408	GFO-09-421	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:

The University of Kansas (UK) will use Congressionally Directed Funding from DOE to demonstrate the feasibility of biofuels production in Kansas.

Laboratory work will take place at the UK, School of Engineering, Learned hall, Lawrence, Kansas. Field work will take place at the University of Kansas Field Station in Lawrence, Kansas and the Lawrence Waste Water Treatment Plant, 1400 East 8th Street, Lawrence, Kansas.

The field work and pilot scale studies will involve collection of communities of natural algae fed with wastewater effluent. Four 2,500 gallon fiberglass open bioreactors will be used to perform these studies. The open ponds being used are located at the KU Field Station (NESA). The goal of this task is to increase the stability of lipid productivity within open pond bioreactors. The wastewater effluent used as nutrient feed will be transported to and stored at NESA.

Additional pilot scale studies will be performed on communities of natural algae fed with wastewater effluent pumped directly from the wastewater treatment facility. Four 2,500 gallon fiberglass open bioreactors will be used to perform these studies. The open ponds being used are located at the City of Lawrence Wastewater Treatment Facility. The algae will be harvested, dewatered and processed for lipid extraction using their mobile trailer-mounted pilot-scale system.

The University of Kansas has disclosed that no additional permits will be needed for this project. UK has submitted an R&D questionnaire which thoroughly addresses their established safety protocols, effluent handling and disposal, waste stream disposal, and air emissions.

This project comprises conventional research and development activities in establish facilities and field sites; therefore a CX 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 :

none

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 2/22/10

NEPA Compliance Officer

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