

PMC-EF2a

(2010)

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



RECIPIENT: South Dakota State University

STATE: SD

PROJECT TITLE : Catalytic Fast Pyrolysis of Agricultural and Forest Residues for Aromatic Fuel Additives

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	GO88073	GFO-09-046q	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:

South Dakota State University proposes to use federal funds to design, construct and instrument a bench-scale catalytic fast pyrolysis thermal reactor unit to convert lignocellulosic biomass feedstock's into high quality bio-oil. This work would be done within an existing facility at the university.

This project would include:

Construction and testing of the bench-scale catalytic fast pyrolysis unit
Upgrading bio-oil and evaluation of catalytic fast pyrolysis processing
Project management and reporting.

This project would take place at the Agriculture Engineering Building in Brookings, SD and would include indoor conventional bench-scale research; therefore 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 6/17/2010

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: Kristin Kerwin
NEPA Compliance Officer

Date: 6/30/2010**FIELD OFFICE MANAGER DETERMINATION**

Field Office Manager review required