PMC-EF2a

(2.04.02)

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

RECIPIENT: North Carolina State University **STATE:** CO

PROJECT TITLE : "Highly Energy Efficient Directed-Green Liquor (D-GLU) Pulping"

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE–PS36–03GO93015	DE-FC36-04GO14308	GFO-10-624	GO14308

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:

This review is a continuation of GFO-04-190 and is intended to address changes to the projects location. The scope of this project has not changed, only the partner and location of the demonstration site.

This is a small-scale research project that will be conducted to verify the concept of green liquor pretreatment enhanced kraft pulping before demonstration action. DOE funding will be used in all areas of this four-year project, which will address the economic and energy hurdles surrounding a novel additive-enforced green liquor pretreatment pulping process. Research will be conducted in a laboratory setting in existing facilities available to Georgia Tech Research Corporation, North Carolina State University. Trials will be conducted at an existing kraft mill location. Equipment for temperature and for sulfur tracing studies will be purchased by Georgia Tech.

The applicant has submitted an R & D Questionnaire, for each location where work will take place, which thoroughly addresses the chemical and safety handling protocols associated with this project.

B3.6 Siting/construction/operation/decommissioning of facilities for bench-scale research, conventional laboratory operations, small-scale research and development and pilot projects.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Eugene Brown 12-9-2010

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 12/14/10

NEPA Compliance Officer