

PMC-FF2a

(2.04.02)

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



RECIPIENT: Trenton Fuel Works

STATE: NJ

PROJECT TITLE : Trenton Fuel Works Biofuels Plant Reconstruction

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
CDP	DE-FG3608GO88056	GFO-GO088056-001	GO88056

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.
- B3.6** 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:

Trenton Fuel works proposes to use federal funding to continue research on concentrated acid hydrolysis in the production of levulinic acid and to optimize conversion methods. This project has is related to a previous CDP (GFO-09-108).

This project will include completion and evaluation of the design package for adapting concentrated acid hydrolysis technology for the production of levulinic acid using unrecyclable or food-contaminated paper products as the feedstock, and development of a gasifier for the char/tar residue from the acid hydrolysis reactor. Funds from this project will also be for lease payments, utilities, insurance , and project management and reporting to DOE.

All work associated with this project will be done within the existing laboratory facilities at the Thermogenics Inc. This project is not expected to adversely impact wetlands, threatened and endangered species/critical habitat, floodplains, historic structures, or waters of the United States.

Work for this project will take place at C & D Waste in Lubbock, TX; as well as Thermogenics Inc in Albuquerque, NM. Tenton Fuels has submitted an R & D Questionnaire which thoroughly addresses the chemical and safety handling protocols associated with the project parameters. Thermogenics operates using OSHA standards and adheres to other state and federal safety standards.

This project is comprised of laboratory research and development & information gathering and gasifier optimization; therefore a CX A9 & B3.6 will apply.

NEPA PROVISION

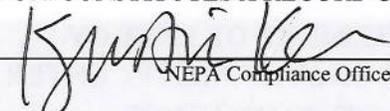
DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Eugene Brown 7/11/2011

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: 
NEPA Compliance Officer

Date: 7/27/2011

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: _____
Field Office Manager

Date: _____