

PMC-EF2a

(201002)

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



RECIPIENT: UOP LLC

STATE: IL

PROJECT TITLE : Pilot-Scale Biorefinery: Sustainable Transport Fuels from Biomass and Algae Residues via Integrated Pyrolysis and Catalytic Hydroconversion

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000096		GFO-10-519	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:

This NEPA determination is for Budget Period 2 (BP2) activities.

DOE is proposing to provide Federal funding to the recipient to support the design, construction and demonstration of a skid mounted thermo-chemical process comprised of Intergrated Rapid Pyrolysis system (RTP) and Bio-oil upgrading to transportation fuels pilot Bio-refinery at the Tesoro, Kapolei site.

The skid facility will be less than 1 acre within a 10 acre site at the Tesoro refinery. The site once held a bioremediation facility that was demolished in 1998. Debris was removed and the site has been vacant since. UOP's pilot-scale biorefinery will be immediately adjacent to an active tank farm.

All construction will be within or contiguous to an existing facility where roads and utilities are readily accessible. All utilities will be provided by Tesoro. CX B3.6 applies to this project.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

EF2a prepared by Susan Walker

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: Kristin Kerwin
NEPA Compliance Officer

Date: 8/2/2010