

FMC-EF2a

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



(2.04.02)

RECIPIENT: Logos Technologies

STATE: CA

PROJECT TITLE : CCM Biorefinery Project

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
DE-FOA-0000096	EE0002881	GFO -10-273-001	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:

- 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:

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

DOE is proposing to provide Federal funding to the recipient to modify an existing biorefinery pilot plant to process in excess of 1 ton per day of a variety of cellulosic feedstocks including corn stover, switchgrass, and wood chips. The existing integrated biorefinery is an appropriate scale for the proposed project; the modifications are designed to preserve the throughput/scale. The modified plant would convert cellulosic feedstocks into ethanol.

The recipient will be using Genetically Modified Organisms (GMO) during the course of this project. The recipient has all of the required permits and approvals for the GMOs currently in use, however as the project develops, additional reviews, approvals or permits may be required by regulating agencies. The recipient shall maintain compliance with all applicable regulations regarding the production, use and disposal of GMO materials.

The existing facility has been in operation for over 3 years and is fully permitted for most BP2 tasks. The current wastewater emissions permit will be renewed in August 2010, and no issues are foreseen. For air emissions, an R&D exemption was granted during the prior permitting process; the application previously submitted will be updated and resubmitted to cover operations planned during BP2. All other permitting in already in place will be sufficient for BP2 operations.

This project entails the modification and operation of a small scale pilot project. All construction and mortification will be within or contiguous to an existing facility where roads and utilities are readily accessible. 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 :

The recipient shall maintain compliance with all applicable regulations regarding the production, use and disposal of GMO materials.

The recipient shall maintain compliance with all applicable permits and regulations regarding the operation of the pilot facility. If the required permits are not renewed or granted by the regulating agency, the recipient shall notify DOE and DOE may complete additional NEPA review.

**SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.**

NEPA Compliance Officer Signature: Kristin Kerwin Date: 7/23/2010  
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