

PMC-EF2a

(201002)

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



**RECIPIENT:** Michigan Biotechnology Institute d/b/a MBI International

**STATE:** MI

**PROJECT TITLE :** Bioeconomy Initiative at MBI International

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
CDP	DE-FG36-07GO87005	GFO-07-133c	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:**

Michigan Biotechnology Institute proposes to use federal funds to research and develop a bio-process for the production of organic acids as commodity chemicals from biomass. This project is a renewal and funds will be used to pay for personnel/labor, laboratory supplies, and travel associated with the project's research.

This project will include research to identify strain improvements for the production of fumaric acid, development of a fermentation process, demonstration of non food-derived sugar sources for the production of fumaric acid, preliminary investigation into the production of other organic acids, and project management.

This project takes place within existing laboratory facilities; the applicant has submitted an R & D questionnaire which thoroughly addresses chemical and safety handling protocols.

This project comprises of conventional laboratory experiments in existing facilities, therefore a CX 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 8/2/2010

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

NEPA Compliance Officer Signature: \_\_\_\_\_

NEPA Compliance Officer

Date: \_\_\_\_\_

8/4/2010

**FIELD OFFICE MANAGER DETERMINATION**