

PMC-EF2a

(2.04.02)

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



RECIPIENT: MI Department of Energy, Labor & Economic Growth

STATE: MI

PROJECT TITLE : Clean Energy Advanced Manufacturing Phase 2 - KC Jones Plating

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	DE-EE0000166	GFO-09-148-016	GO0

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:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

The State of Michigan will provide \$332,450 in Recovery Act funds to KC Jones Plating Company (KCJ) to diversify its business operations to include specialized metal finishing services for metal components of wind turbine braking systems and other alternative energy systems. KCJ is located at 321 West Ten Mile Road, Hazel Park, MI 48030.

The work includes modifying existing metal finishing production lines to accommodate equipment to handle the size, weight, configurations, and rigorous specifications of wind turbine brake coupling components. The work will require modification and/or changes to the salt bath nitro-carburizing process (SBN) that KCJ uses, which is the core of the process. The process involves soaking manufactured components in the solution for 1-2 hours, depending upon their size. The SBN process generates no direct "manufacturing" waste; the process solution is continually regenerated. The salty residual solution from the process is used to neutralize acidic rinse water from other parts of the plant.

The company is in compliance with federal and state environmental statutes. The changes being made to the manufacturing process will not require additional permits. The project will not expand the footprint of the existing building, nor will it require significant construction or repairs of the building. The work required will not generate emission of criteria pollutants. Consultation with the Michigan State Historic Preservation Office indicates that there will be no impacts to archaeological resources. A review of the Michigan Natural Features Inventory database indicates that there are no current protected plant or animal species within or adjacent to the project area. This project will have no impact to migratory birds or other protected species.

Based on the information provided by the State and recipient, DOE has determined that the work outlined is consistent with activities identified in Categorical Exclusion B5.1.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

According to the project officer, funding for this project is \$332,450. Absent a significant change in the scope of this effort, a change in funding will not affect my determination.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____
NEPA Compliance Officer

Date: 6/30/10

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: _____