

PMC-EF2a

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



RECIPIENT: Missouri DNR, Division of Energy

STATE: MO

**PROJECT TITLE :** MO - IEEP: Mississippi Lime - VFD & Fan Upgrade at Peerless Plant

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
DE-FOA-000052	EE0000131	GFO-0000131-016	EE131

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).
- 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:

Missouri DNR, Division of Energy's sub-recipient (Mississippi Lime) proposes to use SEP funding to replace an inefficient fan & housing system with a 3.000 horsepower induced drive fan. They will also install variable frequency drives on a fan and a mill currently controlled by a damper and an eddy clutch. These activities will take place at the Mississippi Lime Peerless Rotary Division facility in St Genevieve, MO.

## SHPO:

The buildings these installations will take place were constructed between 1980 & 2006. These buildings do not meet the criterion for eligibility for listing on the National Register of Historic Places based on building age. The scope of work in this project also meets the appendix A, D. 1.a of the programmatic agreement between MO- DNR & MO-SHPO.

## Waste:

The inefficient fan & eddy clutch will be removed and stored on site. The damper will remain in place. All construction debris will be handled as appropriate by the applicants contractors for installation.

## Air:

These installations will not change the current air emissions of the plant. Mississippi Lime will not be required to modify or change the current air permit in place.

This project will include the installation of efficient equipment to conserve energy; therefore a CX B3.6 & B5.1 will apply.

**NEPA PROVISION**

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

SEP ARRA Funding Amount: \$355,524 (Total Project Cost \$799,500)

Eugene Brown 6/8/2011

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

NEPA Compliance Officer Signature:   
NEPA Compliance Officer

Date: 6/17/11

**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: \_\_\_\_\_