

PMC-EF2a

(20402)

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


RECIPIENT: Missouri DNR, Division of Energy

STATE: MO

PROJECT TITLE : MO - IEEP: Elantas PDG Inc. - Exothermics Heat Recovery

Funding Opportunity Announcement Number
DE-FOA-000052

Procurement Instrument Number
EE0000131

NEPA Control Number
GFO-0000131-020

CID Number
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:

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 Elantas PDG Inc. proposes to use \$35,799 of SEP ARRA funds to install a HXGR 900scfm heat exchanger on an existing thermol process boiler (#39). The heat exchanger will return waste heat to the burner from the stack to increase the combustion air temperature within the burner. This will therefore reduce energy inputs required to achieve results.

Under this same grant Elantas PDG Inc. will also spend \$16,014 in SEP ARRA funding to upgrade lighting and retrofit to install energy efficient lighting – which has been categorically excluded under the template.

The installation of new equipment on an existing boiler will have no adverse impacts to floodplains, wetlands, and endangered species as this project entail internal activities at and existing facility. No new permitting is required as this is characterized as a modification to an existing boiler under the Application for Authority to Construct Air Pollution Control Program from the state of Missouri.

The project activities are exempt from SHPO review based on the programmatic agreement between MO-DNR & the state of MO SHPO. As per the PA, the project is exempt from historic review based on D.2.c. - Equipment - Standard energy efficiency measures that do not require ground disturbance or relocation or removal of walls, ceilings or floors, such as, but not limited to: installation or replacement of motors, lighting, blowers, pumps, heating, ventilation, and air conditioning (HVAC) systems that do not require any new venting or a new location, or venting is on the rear of the structure, not viewable from any public right of way, conservation tillage equipment, Global Positioning System (GPS) Guidance Systems, solar powered electric fencing, irrigation improvements such as flow meters, pulse irrigators and drip irrigation systems, and occupancy sensors on lights.

This project is comprised of installation of a heat exchanger on an existing boiler for a more efficient way to reduce energy demands. This action to conserve energy is therefore Categorical Excluded as B5.1.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Eugene Brown 6/16/2011

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: _____