

PMC-EF2a

(20102)

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



RECIPIENT: State of Louisiana -- Louisiana Department of Natural Resources

STATE: LA

PROJECT TITLE : ARRA SEP - KGRA Energy -- WHR at Lineboard and Newsprint Mill

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	EE0000124	GFO-0000124-019	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:

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:

DOE is proposing to provide \$1,950,000 in SEP funding to the State of Louisiana, who would transfer this funding to KGRA Energy to install a waste heat recovery project that harvests waste heat energy from the exhaust of existing boilers in operation at a linerboard and newsprint mill. The proposed project consists of retrofitting three existing boilers with heat exchangers and constructing an organic rankine cycle (ORC) unit for transferring the heat to energy. The project would be located at an existing linerboard and newsprint mill at 4200 Hwy 190 West in DeRidder, LA. No ground disturbance would occur as part of this project, as the heat exchangers would be installed in existing boiler stacks and the ORC unit would be set on a paved surface inside the mill. No wetlands, floodplains, or historic or cultural resources would be affected by this project.

The proposed KGRA system will make use of a closed loop cooling system containing distilled water which is already used in the plant's daily operations. The project would not generate any wastewater. The proposed project will not generate any air emissions outside of the emissions currently generated by the boilers and will not alter the venting or emissions control devices currently installed on the boilers.

The ORC turbine is anticipated to generate a noise level of approximately 85 dB measured at 3 feet. This is below the existing noise levels at the facility and therefore would not add any incremental noise pollution above the existing levels. The closest noise receptor is over 2,000 feet away.

In view of the information provided by the State and the recipient, DOE has determined that the impacts related to the proposed project are anticipated to have negligible effects on the human and natural environment. The proposed project is consistent with actions outlined in B5.1, "actions to conserve energy," and is, therefore, categorically excluded from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Caroline Mann 7-26-11

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: 
NEPA Compliance Officer

Date: 7/29/11

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: _____