

PMC-EF2a

(2.04.02)

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



RECIPIENT: Idaho Office of Energy resources

STATE: ID

PROJECT TITLE : City of Bonners Ferry Methane Reduction

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
81.128	EE0000814		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:

- A11** Technical advice and planning assistance to international, national, state, and local organizations.
- A9** Information gathering (including, but not limited to, literature surveys, inventories, audits), data analysis (including computer modeling), document preparation (such as conceptual design or feasibility studies, analytical energy supply and demand studies), and dissemination (including, but not limited to, document mailings, publication, and distribution; and classroom training and informational programs), but not including site characterization or environmental monitoring.
- 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 City of Bonners Ferry, Idaho proposes to use \$200,000 of EECBG funds for aerator upgrades at the existing Bonners Ferry Wastewater Treatment Lagoon. The total acreage of the parcel the plant is sited on is 24.8 acres. The total acreage of the lagoon ponds is 5.5 acres. No additional acreage will be used with this project.

The project will replace the existing 3 aerators in the lagoon with 6 high efficiency floating aerators, increasing the amount of oxygen in the treatment ponds. The increased oxygen will reduce the amount of anaerobic decomposition occurring in the ponds, which will decrease the amount of methane produced. The additional aerators will consume additional electricity, but the reduction in methane production will result in a net reduction in equivalent carbon dioxide production.

The replacement aerators are floating units that are anchored to the edges of the existing lagoons with steel cables, and no modifications to the lagoons or construction will be required. The units will be installed by city employees.

No existing permit updates or new permitting will be required for this activity.

Prior to the expenditure of Federal funds to implement aerator upgrades, Bonners Ferry, the RECIPIENT has the affirmative responsibility to ensure that it has a waste management plan addressing waste generated by their proposed actions. The plan will describe the plan to dispose of any sanitary or hazardous waste, e.g. construction and demolition debris, old light bulbs, lead ballasts, piping, roofing materials, discarded equipment, debris, asbestos, etc. generated as a result of the proposed project. The recipient must ensure that it will comply with all federal, state and local regulations for waste disposal.

Methane reduction is expected to reach approximately 6.25 tons or 298,000 cubic feet per year. The net reduction in equivalent carbon dioxide production is estimated to be 73 tons per year, equivalent to a reduction in electrical energy of 108,000 kWh per year.

Based on this information, this action is categorically excluded under CX number 5.1, Actions to Conserve Energy.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: 
NEPA Compliance Officer

Date: 4/15/10

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: _____