

PMC-EF2a

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



(20402)

RECIPIENT:GEFA

STATE: GA

PROJECT
TITLE : City of Lafayette EECBG

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-EE0000806	DE-EE0000806		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:

The City of Lafayette, Georgia is proposing to use \$300,000 in EECBG funding for the purchase and installation of mechanical and electrical controls directly related to the air injection system for a new, post-aeration project at an existing waste water treatment plant. The retrofit to be funded by the \$300,000 EECBG will consist of the addition of an air diffuser system with associated piping and air blowers, along with required electrical power wiring, controls and mechanical systems, all in a 25' x 12' masonry blower building. The remainder of the project including the construction of the concrete basin, small block building to house the blowers and electrical controls, an outfall pipe & flume, and related minor work is budgeted at \$450,000 to be funded by the City.

Potential environmental impacts of the project and associated actions include:

- Air Quality – The proposed project will reduce the duration of run time and number of engines currently being used to diffuse oxygen into effluent. There will be an overall positive effect to air quality as a result of the proposed project.
- Ground Disturbance – The total disturbed area is less than one (1.0) acre, no permit is required and no notification is necessary under the NPDES General Permit for Storm Water Discharges Associated with Construction Activities. The entire project is confined to the site of Lafayette's wastewater treatment plant site. Erosion/sediment control measures are included as part of the project in conformance with local and state law. Installation of the in-ground post aeration tank and blower building will occur between two existing buildings that are part of the waste water treatment plant. There will be 1400 linear feet of 30in diameter outfall pipe trenched and 440 linear feet of concrete flume installed from the end of the outfall pipe to the edge of the creek. All disturbances will occur within the property boundaries of the existing waste water treatment plant in grassy areas that have been previously disturbed.
- Permits –The Georgia Environmental Protection Division (EPD) has approved the project and authorized construction. The total disturbed area is less than one (1.0) acre, no permit is required and no notification is necessary under the NPDES General Permit for Storm Water Discharges Associated with Construction Activities. A Notice of Intent (NOI) will be sent to the Georgia EPD at least 14 days prior to initiation of any land disturbing work on the site, in accordance with Georgia Law. With such NOI, the project is automatically covered by the Georgia General Permit No. GAR100002 for discharges Associated with Construction Activity.

This proposed project will allow the waste water treatment plant operators to reduce the amount of electricity needed for treating sewage effluent. This project comprises actions to conserve energy, demonstrate energy conservation, and promote energy efficiency, and is categorically excluded under CX B5.1.

NEPA PROVISION

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: 
NEPA Compliance Officer

Date: 8/5/10

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: _____

related minor work is budgeted at \$450,000 to be funded by the City.

mechanical systems all in a 35' x 15' masonry blower building. The remainder of the project including the construction of the concrete beam, trench, duct building to house the blower and electrical controls, an outlet pipe & flume, and existing water treatment plant is grossly over that have been previously discussed.

the end of the outlet pipe to the edge of the creek. All disturbances will occur within the property boundaries of the existing water treatment plant in grossly over that have been previously discussed.

and power building will occur between two existing buildings that are part of the waste water treatment plant. The total disturbed area is less than one (1) acre, no permit is required and no notification is necessary under the NPDES General Permit for Storm Water Discharges Associated with Construction Activities. The entire project is confined to the site of Lakeland's wastewater treatment plant site. Erosion/sediment control measures are included as part of the project in conformance with local and state law. Installation of the in-ground post separation tank and power building will occur between two existing buildings that are part of the waste water treatment plant.

There will be 1400 linear feet of 300 diameter outlet pipe trench and 440 linear feet of concrete forms installed from the end of the outlet pipe to the edge of the creek. All disturbances will occur within the property boundaries of the existing water treatment plant in grossly over that have been previously discussed.

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and power building will occur between two existing buildings that are part of the waste water treatment plant. The total disturbed area is less than one (1) acre, no permit is required and no notification is necessary under the NPDES General Permit for Storm Water Discharges Associated with Construction Activities. A Notice of Intent (NOI) will be sent to the Georgia EPD at least 14 days prior to initiation of any land disturbing work at the site. In accordance with Georgia Law, with each NOI, the project is automatically covered by the Georgia General Permit No. GARP0002 for discharges Associated with Construction Activity.

The proposed project will allow the waste water treatment plant operator to reduce the amount of electricity needed for sewage lifting. The project contains actions to conserve energy, demonstrate energy conservation, and promote energy efficiency, and is categorically excluded under CX 58.1