PMC-EF2a

(2.04.02)

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

RECIPIENT: Gwinnett Co, GA **STATE:** GA

PROJECT TITLE : Gwinnett Co, GA EECBG

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	DE-EE0000805.005		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:

B6.8 Minor operational changes at an existing facility to minimize waste generation and for reuse of materials. These changes include, but are not limited to, adding filtration and recycle piping to allow reuse of machining oil, setting up a sorting area to improve process efficiency, and segregating two waste streams previously mingled and assigning new identification codes to the two resulting wastes.

The Gwinnett County Department of Water Resources (DWR) would design and install a Fats, Oil, and Grease (FOG) and High Strength Waste (HSW) waste station at the County's F. Wayne Hill Water Resources Center (FWHWRC). The waste station would accept FOG and HSW which would serve as a supplemental energy source within the facility's existing digesters and allow the facility to maximize the production and use of digester gas to meet a portion of the facility's heat and power demands. FOG would be obtained from local restaurant and food processing sources and HSW from nearby industries.

The FOG station would be located entirely within the boundaries of the 700+/- acre FWHWRC property in a previously disturbed, grassed area, adjacent to existing warehouse structures and digesters. An existing 90' x 70' metal warehouse and an adjoining 90' x 50' concrete slab would be modified to accommodate FOG and HSW holding tanks (FOG tanks in the warehouse and HSW tanks on the concrete slab), and an adjacent area would be re-graded and paved to accommodate a truck unloading station. Delivery and supply piping, along with associated pumps and operational equipment necessary to connect the station to the existing digesters would also be installed. Less than an acre of land would be affected by these activities. Holding tanks would be designed with secondary containment capable of holding 110% of the largest tank volume, as well as sensors to avoid overfills. FWHWRC's existing spill prevention plan would be modified as needed at the completion of the project. New floor drains would be installed at the facility, and existing drain lines would be modified as necessary, to direct any wash down water and other non-hazardous liquid wastes to the FWHWRC plant drain system, which transports the waste to the plant headworks for treatment. Sedimentation and erosion control would be provided during construction to mitigate any adverse environmental impacts. Complete restoration of all disturbed surfaces to their pre-existing condition would occur when construction activities are complete. FOG/HSW deliveries would be provided by commercial haulers via a non-public access road protected with a security gate. Based on this information, no extraordinary circumstances exist.

These projects comprise actions to minimize waste generation, conserve energy, demonstrate energy conservation, and promote energy efficiency, and are therefore categorized under CX B5.1 and B6.8.

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: _____ Date: 4/1/10

NEPA Compliance Officer

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: _____ Date: _____

Field Office Manager