PMC-EF2a

(2.04.02)

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



RECIPIENT: Howard County, Maryland

STATE: MD

PROJECT

TITLE:

Activity 2: Landfill Forced Draft Heater

Funding Opportunity Announcement Number

Procurement Instrument Number NEPA Control Number CID Number DE-EE0000742

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:

- Information gathering (including, but not limited to, literature surveys, inventories, audits), data analysis (including A9 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 Howard County, Maryland ARRA EECBG Activity 2 - Landfill Forced Draft Heater project involves the design, installation and operation of (a) forced draft heaters in the existing Alpha Ridge Landfill maintenance shop to heat the service bays, and (b) supply and return pipelines connecting the existing landfill maintenance shop with the proposed (to be funded by others) landfill gas-to-energy (LFGTE) system. The entire construction and operation of the project would take place within the Alpha Ridge Landfill property boundaries which is owned by Howard County, Maryland.

The project includes the installation of approximately 3,000 linear feet of supply and return pipelines to transmit the recovered waste heat from the LFGTE system, where the waste heat will be recovered, to the forced draft heaters in the maintenance shop. Because the project involves the disturbance of more than 5,000 square feet, an erosion and sediment control plan is required to be filed with, and a grading permit obtained from, Howard County. The area disturbed by installation of the pipeline will either be repaved or reseeded to match the existing ground cover. Because this is a linear project and considered a temporary disturbance, Howard County does not require a stormwater management plan or site development plan to be developed. Also, because this project will disturb less than one acre, an individual permit for the discharge of stormwater associated with construction activities is not required to be filed with the Maryland Department of the Environment. Installation of the forced draft heaters will involve modifications to an existing building, and a building permit and electrical permit will need to be obtained from Howard County.

The closest body of water to the project site is a stormwater management pond located approximately 200 feet southeast of the maintenance shop. The stormwater management pond drains to an unnamed tributary to the Little Patuxent River approximately 900 feet to the south. There are no anticipated impacts to surface water bodies. The forced draft heaters do not combust fuel, and no operational air emissions are anticipated.

The Howard County, Maryland ARRA EECBG Activity 2 - Landfill Forced Draft Heater project is categorically excluded from further NEPA review under A9, A11 and B5.1.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Insert the following language in the award:		
You are required to: If you intend to make changes to the socidentified in Block 11 of the Notice of Fir approval from the DOE Contracting Office	nancial Assistance Award before proceed	eding. You must receive notification
Note to Specialist:		
This project is contingent upon Howard	County first installing an LFGTE system	n at the Alpha Ridge Landfill.
IGNATURE OF THIS MEMORANDUM CO	ONSTITUTES A RECORD OF THIS DE	ECISION.
IEPA Compliance Officer Signature:	NEPA Compliance Officer	Date:
IELD OFFICE MANAGER DETERMINAT	TION	
Field Office Manager review required		
CO REQUESTS THE FIELD OFFICE MA	NACED DEVIEW FOR THE FOLLOW	INC DEASON.
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