PMC-EF2a

(2.04.02)

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

**RECIPIENT:** Town of Islip

**STATE:** NY

**PROJECT TITLE :** Photovoltaic System at Town Landfill

| Funding Opportunity Announcement Number | Procurement Instrument Number | NEPA Control Number | CID Number |
|---|---|---|---|
| | DE-EE0000307 | GFO-10-430 | 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 Town of Islip proposes to use federal funding to demonstrate the feasibility of a solar array system at the Blydenburgh Road Landfill Complex (440 Blydenburgh Road, Hauppauge, New York 11788, at the portion of the complex containing a capped and closed municipal solid waste landfill) to produce up to 50 kilowatts for the Town of Islip to reduce energy costs.

A blanket CX authorized Task 1 and this NEPA determination applies to the remainder of the tasks. This project will include the installation of a 50 kW solar array on a closed and capped portion of the Blydenburgh Rd. landfill to include connection to the local electric grid. The PV panels will be anchored with concrete footings.

The Blydenburgh Road landfill operates under permit number 1-4728-00628/00017 and takes in only clean fill. Construction will take place on top of a closed and capped portion of the landfill. No historical structures exist on landfill as the site where construction will take place has been graded and leveled. Heavy equipment involved during some aspects of the array construction may disperse small quantities of air pollutants, but not in excess from normal activities from the landfill site. Such dispersal should be mitigated through the use of ultra-low sulfur diesel in equipment.

Safety protocols are in place including a monitor from the New York State Department of Environmental Conservation (NYSDEC) assigned the task of monitoring the Landfill Complex. The NYSDEC is responsible for the monitoring and review of all operational aspects – both past & present – of the Complex. Additionally, the Complex also falls under the jurisdiction of the U.S. Environmental Protection Agency, which conducts five-year reviews of the site. A health and safety plan is part of the Complex' O&M manual. Site personnel are safety trained – as schedules and/or events warrant – by the Town's Safety Office. Personal Protective Equipment is used daily by all site personnel, as well as site visitors. Various collection systems all possess sensors & alarms. Fire-fighting apparatus exists on site. The applicant has submitted an R & D Questionnaire which outlines these protocols.

The Complex operates under several permits, issued from a variety of municipal entities (i.e. USEPA, NYSDEC, Suffolk County Health Department). The Permit to operate is issued by the NYSDEC. NYSDEC has reviewed this project and has approved it. Once the array is installed, and prior to being connected to the local grid, a New York Board of Fire Underwriters and Electrical Inspection Certificate would be required.

This project is comprised of installation and connecting to grid a solar array for the town of Islip, NJ; therefore CX B5.1 applies.

**NEPA PROVISION**

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Eugene Brown 11/12/2010

**SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.**

NEPA Compliance Officer Signature: _____ Date: 6/8/2011

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