PMC-EF2a
(2.04.02)

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

RECIPIENT: Delaware State Energy Office **STATE:** DE

PROJECT TITLE : EECBG Subgrant: Lums Pond State Park Natural Gas Conversion

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000013	DE-EE-0000775	GFO-0000775-002	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:

B2.5 Safety and environmental improvements of a facility, including replacement and upgrade of facility components, that do not result in a significant change in the expected useful life, design capacity, or function of the facility and during which operations may be suspended and then resumed. Improvements may include, but are not limited to: Replacement/upgrade of control valves, in-core monitoring devices, facility air filtration systems, or substation transformers or capacitors; addition of structural bracing to meet earthquake standards and/or sustain high wind loading; and replacement of aboveground or belowground tanks and related piping if there is no evidence of leakage, based on testing that meets performance requirements in 40 CFR part 280, subpart D (40 CFR part 280.40). This includes activities taken under RCRA, subtitle I; 40 CFR part 265, subpart J; 40 CFR part 280, subparts B, C, and D; and other applicable state, Federal and local requirements for underground storage tanks. These actions do not include rebuilding or modifying substantial portions of a facility, such as replacing a reactor vessel.

Rational for determination:

The Delaware State Energy Office proposes to use $172,691 of EECBG funds to replace the aging, inefficient, original oil heaters at the maintenance shop at Lums Pond State Park with gas fired heaters. The replacement proposed gas line heaters have a heating efficiency rating of 95% which is significantly better than the existing oil heaters which have grown inconsistent over the years and were originally rated with a heating efficiency of 80%.

Fuel deliveries for FY2010 to the shop heating oil tank totaled 2,091.4 gallons with a total cost of $4,844.16. The proposed new energy star furnaces would have a 95% efficiency rating (15% higher). A 15% reduction on the amount would be approx. $ 726.62 each year based on the increased efficiency of the units.

The proposed project would require the removal of the 2 existing oil heaters with new gas powered heaters, removal/disposal of the existing underground oil storage tank used with the oil heaters, and installation of an underground natural gas pipeline to be used with the newly installed gas powered heaters. The old furnaces would be removed and properly disposed of by Schagrin Gas. The park maintenance staff would then remove the oil tank in lieu of filling and abandoning it in place, in order to prevent any future soil contamination from the aging tank. Gas service would be installed by Delmarva Power, Inc. and the line would parallel existing utility lines located directly adjacent to the existing park entrance roadway within an area of maintained, mowed lawn. The distance is just under 1,400 linear feet in a trench less than 6" wide for a total area of approx. 700sq. ft. or less. With using these existing cleared, pre-disturbed areas, no trees would need to be removed.

Disposal of the underground storage tank would be done by a certified tank removal and disposal service. According to the State of Delaware Department of Natural Resources and Environmental Control regulations for 500 gallon oil storage tanks, there is no permit needed for removal of a heating oil tank less than 1,500 gal. (DNREC 1.2.1, 1.2.1.1, 1.2.1.2, 1.2.1.3); however the procedures for removal or filling would need to be followed. A waste stream management plan will be in place during the duration of the project.
Potential environmental impacts of the project and associated actions include:

-Biological resources: there would be negligible impacts to existing ground vegetation during the installation of the proposed gas line, however, all disturbances will occur on previously disturbed ground which is currently mowed and maintained. No impacts to wildlife, wetlands, cultural, visual, or other sensitive are anticipated based on all proposed work occurring within existing buildings and previously disturbed ground.

-Permits: No permits are anticipated for the proposed project.

-Hazardous waste: None generated. Removal of the existing oil furnaces and underground storage tank will be done

in accordance with the established wastestream management plan and DNREC regulations for 500 gallon oil storage tanks. Since this is a 500gal tank, there are no federal or state requirements for leak detection tests done on this tank.

Based on the provided information, this project is categorically excluded from further NEPA review under CX number B 2.5, Replacement of Underground Storage Tanks.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Completed by B.Knapp

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: Kristin Kerr Date: 1/25/2011

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