PMC-EF2a
(2.04.02)

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

RECIPIENT: State of Wisconsin SEP ARRA EE0000163-United Ethanol **STATE:** WI

PROJECT TITLE: SEP - Anaerobic Digester

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE FOA 0000052	DE EE0000163	GFO-0000163-023	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:

United Ethanol is proposing install an anaerobic digester at the plant that will use excess organic solids from the ethanol production process (such as thin stillage) to produce methane that will displace a large amount of natural gas use at the plant. All methane generated by the anaerobic digester will be used on site. United Ethanol, LLC will receive $2,250,000 in SEP funds for equipment. There will be three digester tanks placed above ground measuring 105 feet in diameter and 48 feet in height installed within the property boundary of the facility. The anaerobic digestion system being proposed for the project is a sealed, closed loop system with all products being fed back into the ethanol facility; therefore there are not expected to be adverse effects from odor. A flare stack that is the same height as the tanks will be constructed to flare off any gas produced by the digester in an emergency plant shut down. There will be approximately 39,000 square feet of ground disturbance and all disturbances will occur on land that was previously disturbed for construction of the existing facility. The roofs will be gray and the tanks will have galvanized siding. The area in which the proposed project will occur is zoned Industrial and surrounded by actively-farmed agricultural land. Two trees will need to be relocated to accommodate the tanks. Spill containment will be controlled by the retention pond already in place for the existing facility. The recipient is currently in the process of obtaining the required WI DNR Construction and Air Operation Permits. There are not expected to be any adverse effects to threatened and endangered species, wetlands, or floodplains as these resources are not present at the project site. The City of Milton Planning Commission has voted on and approved the proposed anaerobic digester at the United Ethanol plant contingent upon United Ethanol receiving the necessary DNR permits; that the area between the tanks be concrete or grass; and that the landscape plan be brought back to the Planning Commission for review.

Waste Stream Requirements

Prior to the expenditure of Federal funds to implement any of the above-mentioned activities, the State of Wisconsin has the affirmative responsibility to ensure or certify that it has been provided by its sub-recipients a waste management plan addressing waste generated by their proposed actions. The plan will describe the sub-recipients plan to dispose of any sanitary or hazardous waste, e.g. construction and demolition debris, old light bulbs, lead ballasts, piping, roofing materials, discarded equipment, debris, asbestos, etc. generated as a result of the proposed project. The sub-recipients must ensure that it will comply with all federal, state and local regulations for waste disposal.

NHPA Requirements

Prior to the expenditure of Federal funds to implement any of the above activities, the Sate of Wisconsin has the affirmative responsibility to ensure the sub-recipient is in compliance with Sec. 106 of the National Historic Preservation Act (NHPA), consistent with DOE's 2009 letter of delegation of authority regarding the NHPA. If

applicable, the sub-recipient must contact the State Historic Preservation Officer.

After a thorough review of the information submitted for the proposed project, it has been determined that the actions involved will not have a significant impact to human health and /or the environment; therefore it is hereby Categorically Excluded B5.1 "actions to conserve energy," from further NEPA review.

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:
The recipient is required to obtain the necessary permits regarding all actions involved with the proposed project.

Note to Specialist :

EF-2a completed by Logan Sholar

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 11/18/10
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