

PMC-EF2a

(2.04.02)

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



RECIPIENT: State of Oklahoma

STATE: OK

PROJECT TITLE : OKLAHOMA SEP ARRA - Advanced Environmental Recycling Technologies Project

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-000052		GFO-09-332-012	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 State of Oklahoma will provide \$3,006,830 in Recovery Act funds to Advanced Environmental Recycling Technologies, Inc. (AERT) to build a new process line within a plastic recycling plant. The new process line will reformulate lower grades of polyethylene plastic into higher grades of plastic that are more marketable. The project is part of a \$9,230,318 effort by AERT to co-locate its recycling plant with its hog feed-out facility near Watts (Adair County), Oklahoma. The hog facility and recycling plant has a rural postal address of RR1, Box 14152, Watts, Oklahoma 74964.

Recovery Act funds will pay for processing equipment that will blend, homogenize, and reformulate lower grades of polyethylene plastic into higher grades with tighter physical property ranges and more uniform consistency. The equipment includes material handling tanks, valves, piping, filters, conveyors, sampling, and laboratory testing equipment. Some of the equipment will be installed inside of an existing building on the facility; other equipment adjacent to the building in an area that has previously undergone primary grading and is ready for pad and equipment installation. The project will not require new construction within the facility nor significant changes in the supporting infrastructure.

The entire AERT project effort is expected to recycle 75 tons of polyethylene per day, resulting in an annual energy savings of approximately 1.47 trillion Btu per year and a reduction in greenhouse gas of approximately 40 thousand metric tons of carbon dioxide equivalent per year. Co-location of the recycling plant is expected to increase truck traffic to the facility by 4-6 trucks per day. The increased truck traffic is not expected to have a significant impact on the plant operations, local community, or surrounding country side.

In view of the information provided by the State and Applicant, that the work will not increase the footprint of the existing AERT facility, will consist of work to be performed within an existing building or on previously disturbed land adjacent to the building, that the plant operations will not require new permits, and that the plant already has the necessary operation permits, I have determined that the work identified is classified as Categorical Exclusion B5.1.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

According to the Project Officer, funding for this project is \$3,006,830. Unless there is a significant change in scope, a change in funding will not affect my determination.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____
NEPA Compliance Officer

Date: 4/9/10

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: _____
Field Office Manager

Date: _____