

PMC-EF2a

(2010)

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



RECIPIENT: The Ohio State University

STATE: OH

PROJECT TITLE : An Experimental and Theoretical Investigation of Micropitting in Wind Turbine Gears and Bearings

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-PS36-09GO99009	DE-EE0002735	GFO-10-123	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:

B3.6 Siting, construction (or modification), operation, and decommissioning of facilities for indoor bench-scale research projects and conventional laboratory operations (for example, preparation of chemical standards and sample analysis); small-scale research and development projects; and small-scale pilot projects (generally less than two years) conducted to verify a concept before demonstration actions. Construction (or modification) will be within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible).

Rational for determination:

Ohio State University will be using DOE ARRA funding to study the micro-pitting phenomena observed in gear and bearing components of wind turbine gear boxes.

They will be conducting laboratory research at their Department of Mechanical Engineering facilities located on campus. An R&D questionnaire has been filled out by the University which discusses their safety and waste handling protocols as established by their internal Office of Environmental Health and Safety. No heavy metals, gasses, or hazardous materials will be used for this research, only small amounts of gear lubricants which will be disposed of in accordance with their established safety protocols.

This project comprises conventional laboratory operations in facilities with establish safety and waste handling procedures; therefore a CX B3.6 applies.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:



NEPA Compliance Officer

Date:

1/27/10

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: _____ Date: _____

 Field Office Manager

Based on my review of the information concerning the proposed action, I have made the following determination:
 CX EA, EA APPROPRIATE AND NUMBER:
 Duration:
 BSA Final Evaluation for modification, revision, and determination of whether for minor items were required
 project and operational information regarding the proposed action, including a description of the project and the location
 and the proposed action and development project and the proposed action (generally less than two years) conducted
 in 1975 a project which was completed in 1976. The project was completed in 1976 and was completed in 1976.
 involved the construction of a new facility and the construction of a new facility.

One State University will be using the MRA finding to study the iron-cyanide treatment observed in year and
 project conducted in the region of the project.
 They will be conducting a study of the Department of Mechanical Engineering facilities located on
 campus. The study will be conducted by the University with assistance from state and waste handling
 facilities in cooperation with the State of Michigan. The study will be conducted in the region of the project
 and will be completed in 1976. The study will be completed in 1976 and will be completed in 1976.
 The project conducted in the region of the project in 1976 with assistance from state and waste handling
 facilities in cooperation with the State of Michigan. The study will be completed in 1976 and will be completed in 1976.

01/20/10



 Field Office Manager