

PMC-EF2a

(2.0402)

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



RECIPIENT: National Center for Defense Manufacturing and Machining

STATE: PA

PROJECT TITLE : The Agile Electro-Mechanical Product Accelerator

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
JIAC2012AM	DE-EE0006028	GFO-0006028-001	GO6028

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:

A9 Information gathering, analysis, and dissemination Information gathering (including, but not limited to, literature surveys, inventories, site visits, and audits), data analysis (including, but not limited to, computer modeling), document preparation (including, but not limited to, conceptual design, feasibility studies, and analytical energy supply and demand studies), and information dissemination (including, but not limited to, document publication and distribution, and classroom training and informational programs), but not including site characterization or environmental monitoring. (See also B3.1 of appendix B to this subpart.)

A11 Technical advice and assistance to organizations Technical advice and planning assistance to international, national, state, and local organizations.

Rational for determination:

The U.S. Department of Energy (DOE) is proposing to provide federal funding to the National Center for Defense Manufacturing and Machining (NCDMM) to develop the Agile Electro-Mechanical Product Accelerator (AEMPA). The proposed project would focus on three manufacturing areas: metal processing, wrought and finished components; additive manufacturing processes; and energy consumption during material manufacturing processes. DOE funding would be used to identify, analyze and document methods and tools used in the industry; mature and adapt quantitative and qualitative tools in order to make manufacturing decisions; perform site and facility assessments using identified tools; and execute projects introducing and implementing advanced technologies to reduce life cycle cost and environmental impact.

The proposed project would occur over three budget periods. The proposed tasks are as follows:

- BUDGET PERIOD 1
- Task 1.0: Determine Facilities/Sites for Sustainability Assessments
- Task 2.0: Conduct Assessments
- BUDGET PERIOD 2
- Task 3.0: Conduct Assessments (Cont.)
- Task 4.0: Develop equipment and material optimization project list which will be performed through the use of process modeling and design simulation tools
- Task 5.0: Develop Project Plans and Conduct Sustainability Projects
- BUDGET PERIOD 3
- Task 6.0: Conduct Sustainability Projects (Cont.)
- Task 7.0: Transition Technologies to Project Participants
- ALL BUDGET PERIODS
- Task 8.0: Project Management and Reporting

Based on review of the project information and the above analysis, DOE has determined the proposed activities would not have a significant individual or cumulative impact to human health and/or environment. DOE has determined the proposed project is consistent with the actions contained in DOE categorical exclusion A9 "information gathering, analysis, and dissemination," and A11 "technical advice and assistance to organizations," and is categorically excluded from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

If you intend to make changes to the scope or objective of your project you are required to contact the Project Officer identified in Block 11 of the Notice of Financial Assistance Award before proceeding. You must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved.

Note to Specialist :

Kelly Daigle 12/14/2012

DOE Share: \$420,150
Cost Share: \$105,227
Total Project Cost: \$525,377

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____



Kristin Kerwin

NEPA Compliance Officer

Date: 12/14/2012

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: _____