PMC-EF2a

(2.04.02)

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

RECIPIENT: RiverHeath **STATE:** WI

PROJECT TITLE : RiverHeath: Neighborhood Loop Geothermal Exchange System: Technology Demonstration Project

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA- EE0000116	DE-EE0003005	GFO-10-304	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:

A9 Information gathering (including, but not limited to, literature surveys, inventories, audits), data analysis (including computer modeling), document preparation (such as conceptual design or feasibility studies, analytical energy supply and demand studies), and dissemination (including, but not limited to, document mailings, publication, and distribution; and classroom training and informational programs), but not including site characterization or environmental monitoring.

C12 Siting, construction, and operation of energy system prototypes including, but not limited to, wind resource, hydropower, geothermal, fossil fuel, biomass, and solar energy pilot projects.

Rational for determination:

The Riverheath LLC project is proposing to install over 10,000 sq ft of river-bed based closed looped heat pumps to service the redevelopment of an existing Brownfield site. The redevelopment area will consist of residential and commercial subdivides, the project will occur underneath the boardwalk of the redevelopment area. The project is being coordinated by Wisconsin's Dept. of Natural Resources; they are the local agency responsible for the redevelopment on this and all Brownfield sites for the state of Wisconsin. The area is a known RCRA site, DOE conducted a review of the information found on EPA's database and determined from the review that the site has been contaminated by large quantities of Chromium Compounds and Sulfuric Acid as well as trace amounts of Sodium Hydroxide. The legacy of these Chromium Compounds is a concern for the DOE particular due to the amount of proposed actions including but not limited to: Dam abandonment and relocation, canal diversion, dredging, the creation of a Mitigation Pond to offset the unavoidable impacts to aquatic life in the Fox River, and the installation of a river-bed heat pump. HUDD is providing the redevelopment effort an $18 million dollar grant, HUDD funds are provided from the "American Reinvestment and Recovery Act", it is unknown at this time whether the project will be using both DOE and HUDD funds for the same project.

It is for these reasons that DOE will require the projects proposers to prepare an Environmental Assessment before project implementation can occur. Therefore Categorical Exclusions A9 "Information Gathering" and C12 applies, "Siting, construction, and operation of energy system prototypes including, but not limited to, wind resource, hydropower, geothermal, fossil fuel, biomass, and solar energy pilot projects."

NEPA PROVISION

DOE has made a conditional NEPA determination for this award, and funding for certain tasks under this award is contingent upon the final NEPA determination.

Insert the following language in the award:

You are restricted from taking any action using federal funds, which would have an adverse affect on the environment or limit the choice of reasonable alternatives prior to DOE/NNSA providing either a NEPA clearance or a final NEPA decision regarding the project.

Prohibited actions include:

DOE funds are not authorized for project site prep and all installation activities pending outcome of the environmental assessment.

This restriction does not preclude you from:

The Riverheath project proposers are authorized to initiate the preparation of an EA by a third-party contractor, consistent with DOE NEPA implementing regulations. DOE, The Riverheath project proposers and third-party contractor shall enter into a Memorandum of Agreement (MOA) defining the scope of services to be completed by the third-party contractor on behalf of DOE.
If you move forward with activities that are not authorized for federal funding by the DOE Contracting Officer in advance of the final NEPA decision, you are doing so at risk of not receiving federal funding and such costs may not be recognized as allowable cost share.

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 4/27/10
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: 4-28-10
Field Office Manager