

# DOE-ID NEPA CX DETERMINATION

**SECTION A. Project Title: Infrastructure for Advanced Reactor Materials Center**

**SECTION B. Project Description**

The objective of this project is to gather the existing analytical capabilities of the CLIM and integrate them into the UWNR to create the Center for Nuclear Fuels and Advance Reactor Materials Research.

The proposed project has three key components:

1. Refinish the existing hot cell by refurbishing the existing manipulators, reconnecting the exhaust system and adding a shielded door.
2. Install the infrastructure necessary for sample preparation and testing; including inert atmosphere glove boxes and fume hoods for sample preparation, test assembling, and sectioning and polishing of samples.
3. Relocate the existing CLIM facility within the UWNR and take advantage of an integrated radiation monitoring system.

**SECTION C. Environmental Aspects / Potential Sources of Impact**

The action consists of funding the modification of existing facilities purchase of equipment, and move equipment to a new existing location. The action would not create additional environmental impacts above those already occurring at the university.

**SECTION D. Determine the Level of Environmental Review (or Documentation) and Reference(s):** Identify the applicable categorical exclusion from 10 CFR 1021, Appendix B, give the appropriate justification, and the approval date.

Note: For Categorical Exclusions (CXs) the proposed action must not: 1) threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, and health, including requirements of DOE orders; 2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities; 3) disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; 4) adversely affect environmentally sensitive resources. In addition, no extraordinary circumstances related to the proposal exist which would affect the significance of the action, and the action is not "connected" nor "related" (40 CFR 1508.25(a)(1) and (2), respectively) to other actions with potentially or cumulatively significant impacts.

References: B2.2 Installation of, or improvements to, building and equipment instrumentation (including, but not limited to, remote control panels, remote monitoring capability, alarm and surveillance systems, control systems to provide automatic shutdown, fire detection and protection systems, announcement and emergency warning systems, criticality and radiation monitors and alarms, and safeguards and security equipment).

Justification: The action consists of modifying existing facilities, purchasing equipment, and moving equipment to a new existing location.

Is the project funded by the American Recovery and Reinvestment Act of 2009 (Recovery Act)  Yes  No

Approved by Jack Depperschmidt, DOE-ID NEPA Compliance Officer on 5/28/12