

# DOE-ID NEPA CX DETERMINATION

**SECTION A. Project Title: Reactor Upgrade Grant – Rhode Island Atomic Energy Commission**

**SECTION B. Project Description**

The objectives of this project are to upgrade the Area Radiation Monitoring System and Confinement Air Handling System I&C with Opto-22 systems, add a Reactor Power Level Trend display that shows power trend data from each of the power level channels, and to replace the Control Rod Magnet Power Supplies and the Control Room Instrumentation Master Switch with new components. Each of these displays will make reactor system data more observable to reactor operators, reactor operator trainees, and laboratory students that are taking data in the control room. The replacement of the Control Rod Magnet Power Supplies and the Control Room Instrumentation Master Switch will improve the reliability of the reactor.

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

The action consists of funding the purchase of equipment and instruments for an existing program. 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 activity consists of replacing control room equipment for operational purposes.

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 11/28/2011