

DOE-ID NEPA CX DETERMINATION

SECTION A. Project Title: Equipment Upgrade for the UNM AGN-201M Reactor – University of New Mexico

SECTION B. Project Description

The University of New Mexico will acquire a computer and associated hardware to measure control rod scram times, a laptop computer and associated electronics such as MCS and MCA systems for operating a High Purity Germanium detector, a Frisker and micro R meter for personnel protection and radiation surveys, a new interface for the data channel, NCRP reports, and refurbishment of a HPGe.

SECTION C. Environmental Aspects / Potential Sources of Impact

Radioactive Material Use – The action consists of funding the purchase of additional pieces of equipment and instruments that the university all ready uses for an existing program. The action would not create additional environmental impacts above those already occurring at the university.

Radioactive Waste Generation – The action consists of funding the purchase of additional pieces of equipment and instruments that the university all ready uses 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).

B3.6 Siting, construction, modification, operation, and decommissioning of facilities for small-scale research and development projects; conventional laboratory operations (such as preparation of chemical standards and sample analysis); and small-scale pilot projects (generally less than 2 years) frequently conducted to verify a concept before demonstration actions, provided that construction or modification would be within or contiguous to a previously disturbed or developed area (where active utilities and currently used roads are readily accessible). Not included in this category are demonstration actions, meaning actions that are undertaken at a scale to show whether a technology would be viable on a larger scale and suitable for commercial development.

Justification: The activity consists of purchasing and upgrading equipment for operational and research 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 5/17/2012