

DOE-ID NEPA CX DETERMINATION

SECTION A. Project Title: Infrastructure Upgrade of Radiation Measurement and Spectroscopy Laboratory at Missouri S&T

SECTION B. Project Description

The infrastructure upgrade at Missouri S& T includes three identical workstations for radiation detection and measurement systems for alpha particle, beta particle, and gamma ray; one workstation for neutron measurement; and one for x-ray measurement. The workstations will include radiation sources, detectors, oscilloscopes, computers, and other associated equipment.

SECTION C. Environmental Aspects / Potential Sources of Impact

Radioactive Material Use – Radioisotopes are used for education and training of radiation measurement and spectroscopy. The handling or disposal of materials will be done under Health Physics program, Department of Environment, Health, and Safety of Missouri University of Science & Technology, Rolla.

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: B1.2 Training exercises and simulations (including, but not limited to, firing-range training, small-scale and short-duration force-on-force exercises, emergency response training, fire fighter and rescue training, and decontamination and spill cleanup training) conducted under appropriately controlled conditions and in accordance with applicable requirements.

Justification: The activity consists of purchasing equipment for educational and training 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 5/24/2012