

**DOE-ID NEPA CX DETERMINATION  
IDAHO NATIONAL LABORATORY**

**SECTION A. Project Title:** GaRDS Vehicle X-Ray System Procurement, Installation and Operations

**SECTION B. Project Description:** .

This effort will be to procure, install, and operate a Gamma Radiation Detection System (GaRDS) capable of providing X-Ray images of incoming vehicles and delivery trucks. The scanner will be equipped with a 1 Ci Cobalt-60 gamma source and will be installed in building MFC-736. This security building is located on Taylor Blvd approximately one mile south of the Materials and Fuels Complex (MFC) and already houses a Vehicle Explosives Detection System equipped with two 50 microgram Cf-252 sources. The purpose of the proposed detection system is to enhance the security capability for MFC facilities, research programs, and personnel.

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

**Generating and Managing Waste** – Some industrial waste will be generated during installation of the new detection system. Small amounts of industrial maintenance waste will also be generated during operations.

**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: 10 CFR Part 1021, Appendix B to Subpart D, B2.2

Justification: The nature and importance of present and future MFC research programs require a high degree of security. The proposed Gamma Radiation Detection System will provide increased security capability for MFC. The project is appropriately covered under CX category 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)."

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 7/7/2010.