

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

SECTION A. Project Title Idaho Falls (IF)-608 Uninterrupted Power Supply Upgrade Project

SECTION B. Project Description:

This project increases the Uninterrupted Power Supply (UPS) capacity in the IF-608 Information Operations and Research Center (IORC) by removing two existing UPS systems (50 KVA and 36 KVA) and installing a 225 KVA system. A ~15 ton cooling unit will be installed on the roof for heat removal. Associated work will include additional electrical panel(s) and electrical conduit rerouting and installation. Disposal of the existing UPS systems may be required depending on whether they are claimed off the excess list. This work will be performed either under blanket subcontracts or by a separate construction contractor and is planned for completion by September 2010. Total project costs are approximately \$700K.

This upgrade is not only needed to increase power supply capacity but will ensure reliable power to equipment supporting various safety monitoring systems at the INL. The new cooling unit to be installed is also required to meet current energy efficiency standards and will be an environmental improvement to the facility.

SECTION C. Environmental Aspects / Potential Sources of Impact:

Generating and Managing Wastes: Industrial wastes will be generated during construction. These include a small amount of electrical wiring and conduit, structural materials related to installation of the HVAC unit, and possibly disposal of the existing UPS units. Removed equipment and materials will be excessed wherever possible to minimize waste generation.

Using, Reusing, and Conserving Natural Resources – As indicated in the Generating and Managing Waste Aspect, some of the excessed materials and equipment may be reused/excessed. The cooling unit will be specified to meet ASHRAE 90.1, "Energy Standard for Buildings Except Low-Rise Residential Buildings" or "DOE Energy Star" as appropriate.

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 1021, Appendix B to Subpart D B2.5, "Safety and environmental improvements of a facility, including replacement and upgrade of facility components, that do not result in a significant change in the expected useful life, design capacity, or function of the facility and during which operations may be suspended and then resumed. Improvements may include, but are not limited to: Replacement/upgrade of control valves, in core monitoring devices, facility air filtration systems, or substation transformers or capacitors..."

Justification: The UPS upgrades described in this EC are being performed to ensure continuous power is supplied to equipment supporting various safety monitoring systems at the INL. Work to be performed is applicable to the upgrades described in this EC and to CX B2.5.

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 4/1/2010.