

DOE-ID NEPA CX DETERMINATION  
IDAHO NATIONAL LABORATORY

**SECTION A. Project Title:** Idaho National Laboratory (INL) Administration Building (IAB) Communication Room Heating, Ventilation, and Air Conditioning (HVAC) Upgrade

**SECTION B. Project Description:**

The proposed project would install new server equipment with associated uninterruptible power supplies (UPS's) and an additional air conditioning unit in the data room at the IAB (IF-606). The additional air conditioning (A/C) unit is needed to keep up with the load the new equipment requires. Facility personnel would install the new computer equipment while construction activities are for the installation of the air conditioning unit which would include installing the A/C unit in the data room and the condensing unit outside with the associated electrical and piping connections.

Approximate Cost: \$30,000

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

**Air Emissions** - The A/C unit will be pre-charged with refrigerant. A certified Refrigeration Technician will be used if removing or adding refrigerant to the system. Appropriate records will be kept and turned over to the Facility Manager. New AC equipment will meet either the Energy Star or SNAP requirements as appropriate (see <http://www.sftool.gov/GreenProcurement/ProductCategory/14>).

**Generating and Managing Waste** - Small amounts of industrial waste such as scrap conduit, PEX tubing, copper pipe, wiring, and packaging material will be generated. Pollution prevention will be implemented where economically practicable to reduce the volume of waste. All waste will be characterized and disposed at the direction of Waste Generator Services.

**Releasing Contaminants** - Typical construction chemicals such as adhesives, lubricants, fuels, etc., will be used on the project. The subcontractor will be required to submit initial, quarterly, and final chemical inventory lists with associated Material Safety Data Sheets (MSDS's) for approval by Battelle Energy Alliance, LLC, (BEA). All chemicals will be entered and tracked in the Comply Plus Chemical Management System through the Construction Chemical Coordinator.

**Using, Reusing, and Conserving Natural Resources** - All materials will be reused and recycled where economically practicable. All applicable waste will be diverted from disposal in the landfill when possible.

**SECTION D. Recommended 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 projects checked above as "CX" (Categorical Exclusion) 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. Note: The above paragraph does not apply to EA, EIS, or CERCLA related activities.

References: 10 CFR 1021, Appendix B to Subpart D categorical exclusion B1.31 "Installation or relocation of machinery and equipment."

Justification: The proposed action is consistent with 10 CFR 1021, Appendix B to Subpart D categorical exclusion B1.31 "Installation or relocation of machinery and equipment" which includes "installation or relocation and operation of machinery and equipment (including, but not limited to, laboratory equipment, electronic hardware, manufacturing machinery, maintenance equipment, and health and safety equipment), provided that uses of the installed or relocated items are consistent with the general missions of the receiving structure. Covered actions include modifications to an existing building, within or contiguous to a previously disturbed or developed area, that are necessary for equipment installation or relocation. Such modifications would not appreciably increase the footprint or height of the existing building or have the potential to cause significant changes to the type and magnitude of environmental impacts.

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: 5/21/2012