

DOE-ID NEPA CX DETERMINATION  
IDAHO NATIONAL LABORATORY

**SECTION A. Project Title:** Information Operations & Research Center (IORC) Room E-6 Air Conditioner Unit Installation

**SECTION B. Project Description:**

The proposed project will install an additional air conditioning (A/C) unit in the IORC (IF-608). Universal Power Supply (UPS) and server equipment are being relocated from rooms B-3 and B-6 to room E-6. The current A/C system that cools room E-6 is not adequate to cool the relocated equipment. The 5 ton cooling unit and drycooler will be installed on the roof of the IORC and in room E-6. Installation will also include running piping (propylene glycol return, condensate) and electrical. Relocation of the UPS and servers will require some new conduit, pull boxes, wiring and racks.

Estimated Start Date: May, 2012

Estimated End Date: June, 2012

Approximate Cost: \$150,000

**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. The area on the roof of IORC where the A/C unit will sit has been replaced and does not contain asbestos. Asbestos floor tile may need to be disturbed (holes drilled) for equipment anchoring. If asbestos material will need to be disturbed, certified asbestos workers will be used. Asbestos waste will be managed through Waste Generator Services.

**Generating and Managing Waste** - Small amounts of industrial waste such as scrap conduit, PEX tubing, copper pipe, wiring, and packaging material will be generated on the project. 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 (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.

**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 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 item B1.4 "Air conditioning systems for existing equipment."

Justification: The proposed action is consistent with 10 CFR 1021, Appendix B to Subpart D categorical exclusion B1.4 "Air conditioning systems for existing equipment" which includes "installation or modification of air conditioning systems required for temperature control for operation of existing 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: 5/9/2012