

DOE-ID NEPA CX DETERMINATION
IDAHO NATIONAL LABORATORY

SECTION A. Project Title: INL Administration Building (IAB) Telephone Room 112 Heating, Ventilating, and Air Conditioning (HVAC) Upgrade

SECTION B. Project Description:

The proposed project will install a new air conditioning unit in the INL Administration Building room 112. The new air conditioning system will handle the equipment heat loads within this room. Room 112 is an unclassified telephone room that is not normally occupied. This room has one supply air diffuser and one return air grille that are insufficient for proper ambient air temperatures. It is assumed that no future addition of equipment loads will take place. A 3-ton Liebert DataMate air conditioner (inside and outside units) will be installed, which should be sufficient to cool the room. Liebert units are high quality data center air conditioners that are designed for years of continuous service. Room 112 is on an exterior wall so the condensing unit will be installed outside this room to the east. A new concrete pad will be poured to accommodate this unit.

SECTION C. Environmental Aspects / Potential Sources of Impact:

Air Emissions - The air conditioning (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.

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, 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 applicable waste will be diverted from disposal in the landfill when possible. Project personnel will use every opportunity to recycle, reuse, and recover materials and divert waste from the landfill when possible. New equipment will meet either the Energy Star or SNAP requirements as appropriate (see <http://www.sftool.gov/GreenProcurement/ProductCategory/14>). In addition, the project will practice sustainable acquisition, as appropriate and practicable, by procuring construction materials that are energy efficient, water efficient, are bio-based in content, environmentally preferable, non-ozone depleting, have recycled content, and are non-toxic or less-toxic alternatives.

SECTION D. Recommended Level of Environmental Review (or Documentation) and Reference(s): Identify the appropriate categorical exclusion from 10 CFR 1021, Appendix B, give the appropriate justification, and the approval date.

Note: For projects 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 categorical exclusion 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 "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: 7/5/2012