

**DOE-ID NEPA CX DETERMINATION**  
**Idaho National Laboratory**

**SECTION A. Project Title:** Replace Willow Creek Maintenance Building (WCMB) Dial Room Air Conditioner (AC)

**SECTION B. Project Description and Purpose:**

The air conditioning (AC) system in the dial room of the Willow Creek Maintenance Building, building Idaho Falls (IF)-617, needs to be replaced. The current AC unit experiences decreased reliability due to age, design and availability of repair parts. The proposed action would replace the R-22 refrigerant AC system with a new R-410A refrigerant system to supply cooling to equipment in the dial room. The new system would be placed in the same location.

Project activities include changing from a 110v connection to a 208v and running associated wire and conduit. Once removed, the equipment would be excessed or appropriately disposed. All utilities, including wiring and water, would be connected to the new unit.

The project is expected to occur in July of 2016 at an estimated cost of \$4.2 K.

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

**Air Emissions**

Potential asbestos containing material (e.g., insulation, sheetrock materials, gaskets, ductwork caulk/adhesive, etc.) may be encountered during the activity.

**Discharging to Surface-, Storm-, or Ground Water**

Condensate has the potential to be released to the floor drain.

**Generating and Managing Waste**

Typical industrial (non-hazardous, non-radioactive) waste such as scrap metal will be generated during the activity. Asbestos containing waste may be generated. The building is older than 1982 and all painted materials will be treated as suspect for containing polychlorinated biphenyls (PCBs). All waste will be characterized, managed, and dispositioned through Waste Generator Services (WGS).

**Releasing Contaminants**

Although not expected, small spills (e.g., paint, lubricant, etc.) may occur. Spills will be reported to the Spill Notification Team, cleaned up, and spill cleanup materials turned over to WGS.

There is the potential for disturbance of suspect PCB containing materials.

**Using, Reusing, and Conserving Natural Resources**

Excess materials such as equipment, wood, wire, conduit, and scrap metal will be diverted from the landfill and excessed, reused, and/or recycled to the extent practicable.

**SECTION F. Determine Recommended Level of Environmental Review, Identify Reference(s), and State Justification:** Identify the applicable categorical exclusion from 10 Code of Federal Regulation (CFR) 1021, Appendix B, give the appropriate justification, and the approval date.

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, or similar requirements of Department of Energy (DOE) or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment or facilities; (3) disturb hazardous substances, pollutants, contaminants, or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; (4) have the potential to cause significant impacts on environmentally sensitive resources (see 10 CFR 1021). In addition, no extraordinary circumstances related to the proposal exist that would affect the significance of the action. In addition, the action is not "connected" to other action actions (40 CFR 1508.25(a)(1) and is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1608.27(b)(7)).

**References:** 10 CFR 1021, Appendix B to Subpart D, B1.4 "Air conditioning systems for existing equipment"

**Justification:** Project activities are consistent with 10 CFR 1021, Appendix B to Subpart D, 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 J. S. Sturm, DOE-ID NEPA Compliance Officer on: 7/7/2016