

DOE-ID NEPA CX DETERMINATION
Idaho National Laboratory

SECTION A. Project Title: Materials and Fuels Complex (MFC)-752 Analytical Laboratory Installation of Air Conditioning Units

SECTION B. Project Description and Purpose:

There is insufficient cooling in rooms B102, B103 and B116 in the Materials and Fuels Complex (MFC) building 752AL. The proposed action would install individual air conditioning (AC) units in each room to provide additional cooling and maintain desired temperature. Installation of AC units would include installation of wall/ceiling mounted evaporator units in each of the rooms with condensing units for each system installed outside near the appropriate room.

The following AC units are recommended to be installed: rooms B102 and B116: Mitsubishi PCA-A42KA6 ceiling-suspended indoor unit and PUY-A42NHA6 outdoor unit with 42,000 BTU/hour (3.5 Tons) cooling capacity and room B103: Mitsubishi PKA-A36KA6 wall-mounted indoor unit and PUY-A36NHA6 outdoor unit with 34,200 BTU/hour (2.85 Tons) cooling capacity.

Refrigerant contained in the new air conditioning units is R410A.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Although not expected, 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 would be discharged to the ground.

Disturbing Cultural or Biological Resources

MFC-752 is eligible for nomination to the National Register of Historic Places and is considered a Category 3 historic property. Removal and/or changes of original features may adversely impact this historic property; as such, cultural resource review must be completed.

Generating and Managing Waste

Project activities would generate industrial waste such as packaging material, small amounts of scrap wiring, conduit, etc.

Releasing Contaminants

Although not expected, small spills (e.g., paint, lubricant, etc.) may occur.

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 D. 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 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 B2.1 "Workplace enhancements".

Justification: Activities are consistent with 10 CFR 1021, Appendix B2.1 "Modifications within or contiguous to an existing structure, in a previously disturbed or developed area, to enhance workplace habitability (including, but not limited to, installation or improvements to lighting, ... or heating/ventilation/air conditioning and its instrumentation, and noise reduction)."

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: 8/4/2016