

DOE-ID NEPA CX DETERMINATION
Idaho National Laboratory

SECTION A. Project Title: Install Air Conditioning in the Fuel Manufacturing Facility (FMF) (Materials and Fuel Complex [MFC]-704) Security Police Officer (SPO) Office

SECTION B. Project Description:

Install a 9000 BTU/hr split air conditioner in the SPO office of the FMF annex. 208V single phase power will be supplied from a new 20A breaker in the existing lighting panel (LP)-029. A new fusible disconnect switch will be installed on the outside of the building. Conduit will be field routed to the condensing unit which will sit on a concrete pad outside the west wall of the FMF office annex. The subcontractor will either purchase a pre-formed concrete pad or pour a pad. The evaporator will be mounted on the east wall of the SPO office and refrigerant and condensate drain lines will be routed through a new 4 inch penetration in the west wall of the annex. A previously used AC unit is to be installed. This unit uses R-22.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions - Fugitive dust may be generated during the installation of a concrete pad or placement of a pre-formed concrete pad and drilling. Also minor amounts of dust will occur during drilling into the building (cinder block). All reasonable precautions will be taken to control fugitive dust. The quantity of R-22 to be added to the unit is estimated to be approximately 2 lbs. Recovery equipment will be used during preparation of the unit for installation and a licensed refrigerant technician will monitor recovery of the R-22 and filling the unit with R-22.

Discharging to Surface-, Storm-, or Ground Water - Condensate will be discharged to the ground.

Generating and Managing Waste - Project activities will likely result in the generation of small amounts of industrial waste. Project personnel will work with WGS to characterize and properly dispose of all waste.

Releasing Contaminants - The subcontractor will bring chemicals on site during the project. A chemical inventory list with associated Material Safety Data Sheets (MSDS's) will be submitted to Battelle Energy Alliance, LLC (BEA) in the vendor data system for approval prior to use. Chemicals will be entered into the Comply Plus Chemical Management System by the Construction Chemical Coordinator.

Using, Reusing, and Conserving Natural Resources - All materials will be reused and/or recycled where economically practicable and as accepted by the customer. All applicable waste will be diverted from disposal in the landfill where conditions allow. New equipment will meet either the Energy Star or Significant New Alternatives Policy (SNAP) requirements as appropriate (see [http://www.sftool.gov/Green Procurement/Product Category/14](http://www.sftool.gov/Green%20Procurement/Product%20Category/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, or are non-toxic or less-toxic alternatives.

SECTION D. Determine the 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.

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 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 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 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 B2.1 "Workplace enhancements"

Justification: The activity is consistent with those actions found in 10 CFR 1021, Appendix B, 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, radiation shielding, or heating/ventilating/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 Jason Sturm, Acting DOE-ID NEPA Compliance Officer on: 7/17/2013