

# DOE-ID NEPA CX DETERMINATION

## Idaho National Laboratory

### **SECTION A. Project Title:** Materials and Fuels Complex (MFC)-774 Central Alarm Station (CAS) Remodel

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

The proposed action would enlarge the MFC Central Alarm Station (CAS). The CAS would be hardened and remodeled to provide adequate room, utilities, and facilities for three fully manned Argus security system consoles and other controls as required. The project would include the following:

1. Expansion of the CAS, located in room B-12, to incorporate room B-14. A portion of the CAS south and east walls would be removed for the expansion. A new hardened wall would be constructed on the east side of room B-14 increasing the CAS floor area from 296 square foot (sf) to 761 sf. The expanded CAS area would contain a new raised floor to match the existing CAS area.
2. The restroom located in the southwest corner of B-12 would be removed and a new restroom constructed in room B-14. Installation of the new restroom would require a new raised concrete floor to be poured to the same height as the new raised floor. The restroom would include a new toilet, sink/fixtures, instantaneous (tank less) water heater, sewer lift station, exhaust fan and associated ductwork.
3. The 5 kW unit heater would be removed, and three new radiant heating ceiling tiles would be installed above each Console Operator.
4. The air conditioning system would be relocated from the north wall of room B-14 and installed on the west wall of room B-11. Supply air would be ducted into the room beneath raised floor.
5. A new exhaust fan would be installed and ducted to the nearest exhaust connection.
6. Fire sprinkler modifications would include installation of 1 new sprinkler head in the ceiling area and 2 below the raised floor.
7. Electrical demolition would include removal of a space heater, convenience outlets, and lights in rooms B13 and B14.
8. Electrical installation would include conduit and wiring for new equipment and lighting.
9. The new CAS area would accommodate two new operator consoles. Console communications and video interfaces would be routed under the raised floor. The new consoles and console computer equipment would be procured and installed.

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

#### **Air Emissions**

There is a possibility for disturbance of asbestos containing building materials. All asbestos work must be conducted by properly trained personnel using appropriate abatement methods. Quantities of asbestos that are to be disturbed will be communicated to the Construction Environmental Support and Services (ES&S) representative in order to file the Asbestos Removal Notification Form (450.04). Asbestos work will not take place until the project has received approval from the Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAPs) Technical Point of Contact (TPOC).

#### **Disturbing Cultural or Biological Resources**

MFC-774 is eligible for nomination to the National Register of Historic Places as a Category 3 historic property; however, the activities described in this Environmental Checklist (EC) are exempted from cultural resource review ("Idaho National Laboratory [INL] Cultural Resource Management Plan" Table 2, exemptions 2 and 8 (Department of Energy Idaho Operations Office [DOE/ID]-10997 rev. 5). Therefore, the project may proceed as described without further cultural resource review.

#### **Generating and Managing Waste**

Industrial waste, in the form of personal protective equipment (PPE), scrap metal, adhesives, and similar waste will be generated. Scrap metal will be recycled to the extent practicable. All Solid Waste will be managed by Waste Generator Services (WGS).

#### **Releasing Contaminants**

All chemicals typically used in construction/maintenance, if used, will be managed in accordance with laboratory procedures.

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

Scrap metal will be recycled to the extent practicable. 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. 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. New equipment will meet either the Energy Star or Significant New Alternatives Policy (SNAP) requirements as appropriate (see <http://www.sftool.gov/GreenProcurement>).

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**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 B, B2.1 "Workplace enhancements"

**Justification:** Project activities are consistent with 10 CFR 1021, Appendix B, "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 Jack Depperschmidt, DOE-ID NEPA Compliance Officer on: 9/16/2015