

# DOE-ID NEPA CX DETERMINATION

## Idaho National Laboratory

### **SECTION A. Project Title: Materials and Fuels Complex (MFC) Security and Landscape Upgrades**

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

Security modifications are needed for certain facilities at the Materials and Fuels Complex (MFC). The proposed action is to perform the following modifications:

- Install Entry Control Facility to serve as an access point
- Install alarmed security fence with double swing gates around the perimeter of the building
- Install roof railing
- Install alarmed window coverings on window frames
- Install stairwell enclosures (e.g., cages or vertical [non-climbable]) bar structures
- Install secure ladders 10-12 feet up from the ground on exterior ladders
- Install barrier systems three points around the building
- Install BMS/Card readers, curtain alarms, roof motion alarms, mag locks, shooting ports
- Upgrade security doors.

In addition, building landscaping would be modified to support up-to-date security and programmatic requirements and would also result in reduced water usage and maintenance costs. Landscaping activities would include removal of dead or dying plants, grass, and trees (pine tree, aspen trees, sod, and shrubs) and replacement with drought tolerant trees, shrubs and plants. A sprinkler system would be installed, and boulders and rocks would be placed for aesthetic purposes.

Estimated Start Date: October 2016

Estimated Completion Date: September 2017

Approximate Cost: \$6.9 million

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

#### **Air Emissions**

There is asbestos caulking around the exterior windows, asbestos on ducting, and in wall board insulation behind the sheet metal on the exterior of the building that may need to be disturbed when completing the project.

Fugitive dust may be generated when excavating for the landscaping modifications.

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

The project requires removal of trees/shrubs and could impact nesting birds.

The proposed action would be performed on a building built prior to 1970. The facility may be eligible for nomination to the National Register of Historic Places. Prior to beginning work, obtain cultural/historical resource review by contacting Christina Olson (526-1692). Approval must be demonstrated by written communication from the Cultural Resource Management Office (CRMO) prior to beginning work, and any instructions contained in the review must be followed.

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

Industrial waste in the form of scrap metal, scrap wood, packaging material, clean soil, removed trees and shrubs, concrete, asphalt, Resource Conservation and Recovery Act (RCRA) empty containers, etc., will be generated during the project.

Hazardous waste and polychlorinated biphenyl (PCB) bulk product waste may be generated if old paint removal becomes necessary while installing the security measures to the building.

Asbestos waste may also be generated if the project requires asbestos abatement.

#### **Releasing Contaminants**

Typical construction chemicals such as adhesives, lubricants, oils, paints, etc., would be used on the project. Chemical use has a potential for small amounts of air emission and spills.

There is a potential to disturb paints suspected to contain PCBs.

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

All material will be reused and/or recycled where economically practicable. All applicable waste would be diverted from disposal in the landfill when possible.

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

**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:** National Environmental Policy Act (NEPA) Implementing Procedures, Final Rule, 10 CFR 1021, Appendix B to Subpart D, Categorical Exclusion B1.31 "Installation or relocation of machinery and equipment"

**Justification:** The proposed activities are consistent with CX B1.31 "Installation or relocation and operation of machinery and equipment (including, but not limited to, laboratory equipment, electronic hardware, manufacturing machinery, maintenance equipment, and health and safety equipment), provided that uses of the installed or relocated items are consistent with the general missions of the receiving structure. Covered actions include modifications to an existing building, within or contiguous to a previously disturbed or developed area, that are necessary for equipment installation and relocation. Such modifications would not appreciably increase the footprint or height of the existing building or have the potential to cause significant changes to the type and magnitude of environmental impacts."

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: 7/20/2016