

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: Materials and Fuels Complex (MFC) Vault-Type Room

SECTION B. Project Description and Purpose:

The purpose of this revision to add the construction of a breezeway between the Irradiated Materials Characterization Laboratory (IMCL) and the vault type room (VTR). The breezeway will be constructed from concrete masonry unit (CMU) block. The breezeway will be approximately 6 ft. wide x 30 ft. long x 12 ft. high. An existing concrete walkway will be removed and a new concrete foundation will be installed for the breezeway. Electrical conduit and wiring will be installed from IMCL to power lighting for the breezeway. Environmental aspects, work activities, and conditions and instructions remain the same as in the original Environmental Checklist (EC).

The scope of the original EC follows:

The proposed action is to procure a modular Vault-Type Room (VTR).

The 500 square foot modular VTR building would be procured from a commercial company that manufactures secure modular buildings and would be located near the Irradiated Material Characterization Laboratory (IMCL) building (MFC-1729).

In order to install the VTR, the proposed location would be cleared and graded. A concrete foundation would be installed near IMCL for placement of the VTR. Electrical and communication conduit and wiring would be installed from IMCL to the VTR. Routing of the conduit would require excavation and installation of a duct bank. A concrete pad and electrical transformer would also be installed outside of the IMCL to feed power to the VTR.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

This project has the potential to generate air emissions from fugitive dust.

Disturbing Cultural or Biological Resources

The project will disturb soil in a previously disturbed area void of vegetation. Standard Stop-Work requirements for unexpected cultural finds will be observed.

Generating and Managing Waste

Waste from construction activities may include wooden forms and general construction debris. Waste generated during routine operations may include scrap wood, metal, lubricants, and cleaning materials.

Releasing Contaminants

Small amounts of contaminants will be released to the atmosphere due to welding. Although not anticipated, small spills of substances (e.g., petroleum and/or other fluids) may occur. Any releases would be cleaned up, containerized and provided to Waste Generator Services (WGS) for management and disposition. The spill notification team (241-6400) and Environmental Support and Services would also be notified.

Construction chemicals such as marking paint, fuels, lubricants, adhesives, traffic paints, etc., will be used during the project.

Using, Reusing, and Conserving Natural Resources

Scrap material, such as wood, metal and asphalt, will be recycled to the extent practical. 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 (<https://sftool.gov/Green Procurement>).

SECTION D. Determine Recommended Level of Environmental Review, Identify Reference(s), and State Justification: 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 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

DOE-ID NEPA CX DETERMINATION
Idaho National Laboratory

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, items B1.15 "Support buildings."

Justification: Project activities described in this EC are consistent with 10 CFR 1021, Appendix B to Subpart D, item B1.15 "Siting, construction or modification, and operation of support buildings and support structures (including, but not limited to, trailers and prefabricated and modular buildings) within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible). Covered support buildings and structures include, but are not limited to, those for office purposes; parking; cafeteria services; education and training; visitor reception; computer and data processing services; health services or recreation activities; routine maintenance activities; storage of supplies and equipment for administrative services and routine maintenance activities; security (such as security posts); fire protection; small-scale fabrication (such as machine shop activities), assembly, and testing of non-nuclear equipment or components; and similar support purposes, but exclude facilities for nuclear weapons activities and waste storage activities covered in B1.10, B1.29, B1.35, B2.6, B6.2, B6.5, B6.6, and B6.10 of this appendix."

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: 6/7/2016