

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:

Revision 2

The purpose of this revision is to change the location of the Materials and Fuels Complex (MFC) modular Vault-Type Room (VTR). Idaho National Laboratory proposes to locate the approximate 450 square foot modular structure near the Electron Microscopy Laboratory (EML) building (MFC-774) on an existing concrete pad. Electrical and communication conduit/wiring and fire suppression piping would be installed from EML to the VTR. A vestibule will be constructed between the EML and the VTR having an area of about 64 sq. ft. and about 10 ft. high.

The facility does not tie into drinking water or wastewater systems.

Revision 1

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 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

The proposed action has the potential to generate fugitive dust.

Air emissions from portable electrical generators, in place less than one year, are not regulated.

Generating and Managing Waste

Industrial waste and common office trash will be managed by Waste Generator Services (WGS).

Office paper will be recycled to the extent practicable.

Releasing Contaminants

Typical construction chemicals such as fuels, lubricants, adhesives, etc., will be used while installing the trailers and will be submitted to chemical inventory lists with associated Safety Data Sheets (SDSs) for approval in the vendor data system prior to use. The Facility Chemical Coordinator will enter these chemicals into the INL Chemical Management Database. All chemicals will be managed in accordance with laboratory procedures.

Although not anticipated, there is a potential for spills when using chemicals or fueling equipment. In the event of a spill, notify facility PEL. If the PEL cannot be contacted, report the release to the Spill Notification Team (208-241-6400). Clean up the spill and turn over spill cleanup materials to WGS.

Using, Reusing, and Conserving Natural Resources

All materials would be reused and/or recycled where economically practicable. All applicable waste would be diverted from disposal in the landfill where conditions allow.

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: 10 CFR 1021, Appendix B to Subpart D, item B1.24 "Property Transfers" and B1.15 "Support buildings."

Justification: Activities are consistent with 10 CFR 1021, Appendix B to Subpart D, item B1.24 "Transfer, lease, disposition, or acquisition of interests in personal property (including, but not limited to, equipment and materials) or real property (including, but not limited to, permanent structures and land), provided that under reasonably foreseeable uses (1) there would be no potential for release of substances at a level, or in a form, that could pose a threat to public health or the environment and (2) the covered actions would not have the potential to cause a significant change in impacts from before the transfer, lease, disposition, or acquisition of interests;" and

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 Jason Sturm, DOE-ID NEPA Compliance Officer on: 2/19/2019