

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: ATR, CFA, and MFC Administrative Centers

SECTION B. Project Description and Purpose:

Campuses at the Advanced Test Reactor (ATR) Complex, Materials and Fuels Complex (MFC), and Central Facilities Area (CFA) offer core capabilities in support of Idaho National Laboratory's (INL) mission. Laboratory initiatives were established in FY 2018 to improve deteriorated World War II era offices, optimize campus footprints, address aging support infrastructure, supply additional office space to alleviate overcrowding, and improve the condition of important support facilities at ATR, MFC and CFA.

ATR Complex

Office space at the ATR Complex will not support forecasted future growth and consists largely of old style design, no team spaces, and limited mobility. At present, modular trailers house staff doubled-up in office space. Also, the ATR Complex cafeteria, building TRA-616, is 66 years old and about 4,400 sq ft. The building was constructed as a warehouse and repurposed to a cafeteria in the 1960s. Its condition is substandard, and a new facility is needed at ATR Complex to replace the current cafeteria and to supply additional office space, meeting, and training space.

CFA

During the past ten years, the Department of Energy (DOE) demolished over 14 facilities at CFA and placed several more into shutdown status. Office space is dated and lacks team and collaboration spaces. Food service is limited to grab-and-go menu items housed in a 33 year old modular office building. The food service space has no ventilation or standard food prep equipment and the condition is substandard. The complex also lacks meeting and training space.

MFC

MFC has exceeded office space capacity and temporary leased modular trailers to accommodate staff. The average age of office buildings at MFC is 29 years. In many cases, multiple personnel are located in offices originally designed for single occupancy. The MFC cafeteria, building MFC-752, and dining hall is 56 years old and about 3,300 sq ft. The condition of the space is substandard with increasing issues associated with old plumbing, fire protection, refrigeration, and HVAC systems. MFC also lacks space to host all employee or large group meetings.

Because of similar needs at ATR, CFA, and MFC, one building design that combines office space, food service, and meeting space will be completed and used at all three locations. The overall design and construction strategy utilizes a 413.3B tailored approach. The proposed action forms a design-construct team to develop a final design that achieves the defined functional and operating requirements for the facility. As a minimum, the facility design would include provisions for meeting the Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings per Executive Order 13834 Efficient Federal Operations, 42 U.S.C. § 6834: Federal Building Energy Efficiency Standards, 42 U.S.C. § 8253: Energy Management Requirements, 42 U.S.C. § 17092: High-Performance Green Federal Buildings, and 42 U.S.C. § 8259b: Federal Procurement of Energy Efficient Products; et.al.

The scope of this environmental checklist (EC) covers site characterization activities to determine the best location for each building. Site preparation, and construction and operation of the new buildings requires modification of this EC to include activities to install electrical power, sewer, potable water, fire water, and telephone and data communications to the new buildings at each developed campus area.

Because of overcrowding at MFC, the project activities will be implemented at MFC first, followed by ATR and CFA.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Activities addressed by this EC have the potential to contribute to air emissions through:

- Generating air pollutants, including but not limited to chemical and combustion emissions
- Generating hazardous emissions, such as by operation of fuel burning equipment, use of construction or maintenance products that contain hazardous constituents, and disturbance of contaminated soils
- Maintaining, servicing or repairing stationary heating, ventilation, air conditioning and refrigeration equipment
- Maintaining, testing, or disposing of halon-containing equipment or halon
- Acquiring and dispositioning chemicals
- Generating fugitive dust or other fugitive emissions
- Purchasing, relocating, operating, modifying or maintaining portable air emission sources, including non-road internal combustion engines.

Discharging to Surface-, Storm-, or Ground Water

Activities addressed by this EC have the potential to contaminate waters of the United States (U.S.) or groundwater through:

- Construction or modification of drinking water systems and cross connections
- Maintaining, repairing, or altering drinking water systems and cross connections
- Using drinking water systems and cross connections
- Constructing or modifying sewage and other reuse systems

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

- Discharging Wastewaters
- Managing storm water discharges.

Disturbing Cultural or Biological Resources

Activities addressed by this EC have the potential to disturb cultural or biological resources through:

- Constructing or modifying facilities, structures, equipment or processes.

Generating and Managing Waste

Activities addressed by this EC have the potential to generate waste requiring management through:

- Generating wastes.

Releasing Contaminants

Typical construction chemicals such as fuels, lubricants, adhesives, paints, concrete, concrete cure, asphalt, refrigerants, etc., will be used 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. When dispositioning surplus chemicals, project personnel must contact the facility Chemical Coordinator for disposition instructions.

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

Activities addressed by this EC have the potential for use, reuse and conservation of natural resources related to:

- Building energy use
- Consuming potable or industrial water
- Generating landfill waste or construction and demolition wastes
- Generating recyclable materials
- Providing an opportunity to engage in sustainable acquisition practices.

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, items B1.15 "Support buildings"

Justification: Project activities described in this Environmental Checklist (EC) are consistent with 10 CFR 1021, Appendix B to Subpart D, items 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: 11/27/2018