

DOE-ID NEPA CX DETERMINATION  
IDAHO NATIONAL LABORATORY

**SECTION A. Project Title:** Materials and Fuel Complex (MFC) Infrastructure Upgrades: Modular Office Units

**SECTION B. Project Description:**

MFC Infrastructure Upgrades - General

The number of researchers and operators at MFC has significantly increased, and is projected to increase further in the future to support the expanding research activities at the facility. These activities will require Infrastructure upgrades (office space, potable water, wastewater treatment, communications, etc.) to accommodate the increasing number of personnel and work shifts.

The Idaho National Laboratory (INL) will prepare a separate environmental checklist (EC) and conduct the appropriate level of environmental review for each infrastructure improvement project.

MFC Infrastructure Upgrades - Modular Office Buildings

Installation of modular offices is necessary to meet an immediate need for office space at MFC to support accomplishment of the INL nuclear mission. There are currently zero office spaces available at MFC to accommodate existing personnel and the growing MFC work force, which is projected to increase by about 120 personnel over the next 5 years. Approximately 20 project/program personnel currently assigned to MFC are located in Idaho Falls facilities because office space is not available at MFC. An additional 152 personnel have been placed in 62 shared offices. This project will procure previously used modular offices sufficient to support 80-100 personnel with associated conference room(s) and restrooms. The proposed site for these modular offices is a previously disturbed area directly east of MFC-717 and MFC-718. The site will require necessary earthwork including backfill, basalt removal, soil compaction, leveling, and grading for building run-off as well as utilities hookups (i.e., sewer, electrical, telecommunications, firewater, potable water) to existing MFC systems. Project planning was initiated in May 2010 and the projected completion date is November 2010. The total estimated cost is \$4M (including management reserve).

Two procurements will be developed for this project. The first will include a Performance Specification necessary to purchase the modular office unit and the second will include the design specifications and drawings necessary to develop the site, install utilities, and install interior office spaces.

**SECTION C. Environmental Aspects / Potential Sources of Impact:**

**Air Emissions:** Project construction activities may involve the use of portable generators, welders, compressors, and other non-road equipment used by subcontractors. Environmental Support and Services (ES&S) personnel will inspect these portable generators for visible emissions during the quarterly visible emissions inspections. In addition, construction activities will disturb soil and would likely create fugitive dust that may require dust suppression by water or other means. If project activities include dust control measures, project personnel must record the method and frequency of those measures and place that information in the project record to demonstrate compliance with section 2.2 of the INL Tier I Operating Permit.

**Generating and Managing Waste:** This project is not expected to generate hazardous or radioactive waste. If this waste is generated, it will be managed in accordance with INL procedures. The modular units are expected to be newer than 1975 and would therefore not contain potential PCBs or asbestos. Industrial waste may be generated during the construction phase and would be disposed at the CFA landfill.

**Using, Reusing, and Conserving Natural Resources:** INL is procuring previously used modular office building(s) to be recycled and relocated to MFC. Prior to procurement the offices will be inspected to ensure air conditioners meet current Energy Star ratings and if necessary these will be updated prior to receipt on site. Restroom fixtures will be evaluated for low flow toilets with auto-flush sensors, faucets with automatic sensors, and showers with low-flow heads and these will be updated prior to or after receipt as necessary. Light fixtures will be evaluated and updated as necessary to be consistent with recent energy efficiency upgrades performed at MFC

**Releasing Contaminants:** Industrial chemicals will be used by the contractor during the installation of the modular buildings and must be tracked by the project. There is a potential for release into non-contaminated areas.

**SECTION D. Determine the Level of Environmental Review (or Documentation) and Reference(s):** Identify the applicable categorical exclusion from 10 CFR 1021, Appendix B, give the appropriate justification, and the approval date.

Note: 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, including requirements of DOE orders; 2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities; 3) disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; 4) adversely affect environmentally sensitive resources. In addition, no extraordinary circumstances related to the proposal exist which would affect the significance of the action, and the action is not "connected" nor "related" (40 CFR 1508.25(a)(1) and (2), respectively) to other actions with potentially or cumulatively significant impacts. .

References: 10 CFR 1021, Appendix B to Subpart D, B1.15

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Justification: The purpose of this MFC upgrades project is to accomplish an immediate need to accommodate a work force that has outgrown (and continues to outgrow) available office space. This continued personnel increase and the need for adequate office space to support current and future Department of Energy (DOE) programs justifies this project. The proposed work is appropriately covered under CX category B1.15 "Construction and operation of support buildings and support structures"...

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 6/21/2010.