

# DOE-ID NEPA CX DETERMINATION

## Idaho National Laboratory

### SECTION A. Project Title: ATR Maintenance Support Building

### SECTION B. Project Description and Purpose:

The purpose of the proposed action is to design, construct and operate a Maintenance Support Building (MSB), designated TRA-1643, at the Advanced Test Reactor (ATR) Complex. The MSB is designed as a modern facility, replacing the current outdated maintenance shop (TRA-653), that will more effectively provide maintenance support for activities at ATR. The MSB will be a non-nuclear facility comprising adequate shop space for the TRA fitters and welders, space for kitting and staging (collecting and assembling materials and equipment to support maintenance work), space for a tool crib, and space for personnel support (e.g., restrooms, showers, break areas and office spaces). The MSB will be constructed on a poured concrete slab and will tie into existing ATR utility systems, including electrical, potable water and sewage. Total building space will exceed 5000 square feet.

Maintenance equipment will be transferred from the current maintenance shop, TRA-653. Future uses of TRA-653 have not been determined and are not included in this project.

To provide more efficient support, the MSB is proposed to be located near TRA-670, west of TRA-1627 (RACL). The MSB will be constructed in a previously disturbed area within the ATR Complex.

### 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
- Purchasing equipment containing refrigerants or halon
- Acquiring and dispositioning chemicals
- Working with asbestos
- 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
- 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
- Modifying buildings or structures constructed on the INL before 1970.

#### Generating and Managing Waste

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

- Decontaminating equipment containing or contaminated with polychlorinated biphenyls (PCBs) (From equipment manufactured before 1982)
- Maintaining equipment containing or contaminated with PCBs (From equipment manufactured before 1982)
- Disposing asbestos-containing material
- Disturbing asbestos or removing asbestos-containing material
- Generating wastes.

#### Releasing Contaminants

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

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- Decontaminating equipment containing or contaminated with polychlorinated biphenyls (PCBs) (From equipment manufactured before 1982)
- Maintaining equipment containing or contaminated with PCBs (From equipment manufactured before 1982)
- Disposing asbestos-containing material
- Disturbing asbestos or removing asbestos-containing material
- Generating wastes.

### 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:** National Environmental Policy Act (NEPA) Implementing Procedures, Final Rule, 10 CFR 1021, Appendix B to Subpart D, Categorical Exclusion B1.15 "Support Buildings" and Categorical Exclusion B1.31 "Installation or relocation of machinery and equipment."

**Justification:** Project and operational 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."

Relocation and installation of machinery and equipment from the current maintenance shop as described in this EC are consistent with 10 CFR 1021, Appendix B to Subpart D, Categorical Exclusion 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 Jason Sturm, DOE-ID NEPA Compliance Officer on: 10/02/2017