

**U.S. Department of Energy
Naval Reactors Laboratory Field Office**

Bettis Atomic Power Laboratory

**National Environmental Policy Act (NEPA) Categorical Exclusion (CX)
Determination Summary Form**

**Bettis Laboratory Simulation Development Laboratory (SDL)/
Bettis Reactor Engineering School (BRES) Project**

REFERENCE

10 CFR Part 1021, Department of Energy National Environmental Policy Act Implementation Procedures, Subpart D. Typical Classes of Actions.

PROJECT SCOPE DISCUSSION

The scope of the Simulation Development Laboratory/Bettis Reactor Engineering School Project is expected to include the demolition of the existing Stores Building. Prior to demolition, the three phase, 13.2kV power lines currently spanning over the Stores Building are scheduled to be relocated. Additionally, there are pipe bridges running from the Naval Training Simulation Laboratory (NTSL) Building to the Stores Building and from the Stores Building to the E Building that carry steam, condensate, compressed air, and communications cables that serve the Stores and E Buildings. All utilities must be maintained to the NTSL and E Buildings, requiring temporary and permanent rerouting of these utilities as part of the project. Additionally, known asbestos, lead, and polychlorinated biphenyl containing materials in the existing Stores Building will be removed during demolition and properly disposed of.

The SDL/BRES Project involves the construction of a multi-story building in the location of the current Stores Building with new simulation development laboratory space, classrooms and professional office for the BRES, and an option for an additional floor containing professional office spaces. In addition, this building will include conference rooms, teaming areas, kitchenettes, restrooms, and utility service rooms. A new building is needed to provide classroom space for the BRES and training and testing laboratory facilities for the SDL. The designated site for the complex is the current Stores Building, as well as the adjacent unoccupied storage yard areas. The adjacent unoccupied storage yard areas will be utilized for the expansion of the existing building's footprint to provide space that fully meets the functional requirements of the project.

The project does not violate applicable regulatory requirements, require construction or major expansion of waste handling facilities, result in unpermitted releases of hazardous substances, or adversely affect environmentally sensitive resources, including wetlands. The project does not involve genetically engineered organisms or species. There are no extraordinary circumstances related to the proposed action. The project has not been segmented to meet the definition of a categorical exclusion and is not connected to other actions with potentially significant and/or cumulative impacts.

CONCLUSION

The SDL/BRES Project is categorically excluded from additional NEPA documentation under 10 CFR 1021 Subpart D, Appendix B, B1.15, B1.16, B1.17, B1.23, B1.27, B1.31, B1.33, and B1.34. Specifically, the categorical exclusions that apply are the following:

B1.15 Support Buildings

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 not limited to, those for office purposes; parking, cafeteria services; education and training; visitor reception; computer and data processing services; health services or recreational 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, such as activities covered in B1.10, B1.29, B1.35, B2.6, B6.2, B6.4, B6.5, B6.6, and B6.10 of this appendix.

B1.16 Asbestos Removal

Removal of asbestos-containing materials from buildings in accordance with applicable requirements (such as 40 CFR part 61, "Natural Emission Standards for Hazardous Air Pollutants"; 40 CFR part 763, "Asbestos"; 29 CFR part 1910, subpart I, "Personal Protective Equipment"; and 29 CFR part 1926, "Safety and Health Regulations for Construction"; and appropriate state and local requirements, including certification of removal contractors and technicians).

B1.17 Polychlorinated Biphenyl Removal

Removal of polychlorinated biphenyl (PCB)-containing items (including, but not limited to, transformers and capacitors), PCB-containing oils flushed from transformers, PCB-flushing solutions, and PCB-containing spill materials from buildings or other aboveground locations in accordance with applicable requirements (such as 40 CFR part 761).

B1.23 Demolition and Disposal of Buildings

Demolition and subsequent disposal of buildings, equipment, and support structures (including, but not limited to, smoke stacks and parking lot surfaces), provided that 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.

B1.27 Disconnection of Utilities

Activities that are required for the disconnection of utility services (including, but not limited to, water, steam, telecommunications, and electrical power) after it has been determined that the continued operation of these systems is not needed for safety.

B1.31 Installation or Relocation of Machinery and Equipment

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 the 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 the environmental impacts.

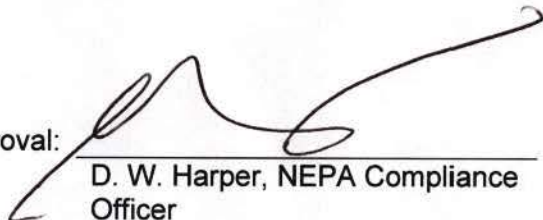
B1.33 Stormwater Runoff Control

Design, construction, and operation of control practices to reduce stormwater runoff and maintain natural hydrology. Activities include, but are not limited to, those that reduce impervious surfaces (such as vegetative practices and use of porous pavements), best management practices (such as silt fences, straw wattles, and fiber rolls), and use of green infrastructure or other low impact development practices (such as cisterns and green roofs).

B1.34 Lead-Based Paint Containment, Removal, and Disposal

Containment, removal, and disposal of lead-based paint in accordance with applicable requirements (such as provisions relating to the certification of removal contractors and technicians at 40 CFR part 745, "Lead-Based Paint Poisoning Prevention in Certain Residential Structures").

NRLFO Approval:



D. W. Harper, NEPA Compliance
Officer

Date:

2/18/2021
CX Determination Date