

**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**

Construction of the Component Test Complex

REFERENCE

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

PROJECT SCOPE DISCUSSION

The scope of the Component Test Complex project includes constructing a new facility and utility infrastructure required to support the Bettis Laboratory Thermal Hydraulics Laboratory testing which is currently located at Bettis in the Hangar 2 Building. The project will be constructed on the site of the former L Building. There is an existing abandoned concrete electrical duct bank with asbestos containing conduits within the foot print of the new facility that will be demolished using asbestos controls. The installation and/or relocation of the test loops and support equipment into the new facility will be completed. Hangar-2 will be demolished at a future date to be determined after all test loops are up and running in the new Component Test Complex.

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 Component Test Complex project is categorically excluded from additional NEPA documentation under 10 CFR 1021 Subpart D, Appendix B, B1.15, B1.16, B1.23, B1.31, B1.33, and B2.3. 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 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, 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, "National 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).

B1.23 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.

B1.31 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).

B2.3 Personnel Safety and Health Equipment

Installation of, or improvements to, equipment for personnel safety and health (including, but not limited to eye washes, safety showers, radiation monitoring devices, fume hoods, and associated collection and exhaust systems), provided that the covered actions would not have the potential to cause a significant increase in emissions.

NRLFO Approval:



D. W. Harper, NEPA
Compliance Officer

Date:

7/26/2021

CX Determination Date