

**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 North Campus Utility Corridor Project

REFERENCE

10 CFR Part 1021, Department of Energy National Environmental Policy Act Implementing Procedures, Appendix B, Categorical Exclusions Applicable to Specific Agency Actions

PROJECT SCOPE DISCUSSION

The scope of the Bettis Laboratory North Campus Utility Corridor Project is to support the existing Fire Water and City Water utility services to the North Campus area, which are currently supplied by a looped system that provides redundant service from two directions in the event of a localized system failure.

Separately, the existing Natural Gas supply for the North Campus area is currently provided by two radial feeds. The western line follows the Fire Water and City Water alignment along the roadway from the new Component Test Complex (CTC) towards the CY Building. The eastern line follows the Fire Water and City Water outside of the Limited Access Area (LAA) through the parking lots, terminating at the SVTF expansion. The existing utilities that run through the project area need to be temporarily taken out of service to maintain constant utility service to the North Campus. The existing eastern utility alignment was originally established to provide utility services to the C Area. Some additional modifications to the Fire Water and City Water systems east of the CTC will be required to create the looped systems.

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 Bettis Laboratory North Campus Utility Corridor Project is categorically excluded from additional NEPA documentation under 10 CFR 1021 Appendix B, B1.15, B1.27, B1.33, and B5.2. 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 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, 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.

B1.27 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.

B1.33 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).

B5.2 Modifications to pumps and piping

Modifications to existing pump and piping configurations (including, but not limited to, manifolds, metering systems, and other instrumentation on such configurations conveying materials such as air, brine, carbon dioxide, geothermal system fluids, hydrogen gas, natural gas, nitrogen gas, oil, produced water, steam, and water). Covered modifications would not have the potential to cause significant changes to design process flow rates or permitted air emissions.

NRLFO Approval:  Date: 6/25/26
M. A. Patton, NEPA Compliance Officer CX Determination Date