

**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**

**UTILITY CORRIDOR EXTENSION**

**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 Utility Corridor Extension project includes extension of underground utilities (i.e. city water, storm sewer, sanitary sewer, fire protection water, natural gas, electrical, and telecommunications) from the existing site utility corridor. The project is necessary to provide services to future buildings identified in the Ten-Year Facilities Plan and the Bettis Site Master Plan (e.g., MRTC Office Building (A-5), A-6 Office Building).

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 Utility Corridor Extension is categorically excluded from additional NEPA documentation under 10 CFR1021 Subpart D, Appendix B, CX B1.15 and B4.7. Specifically, the categorical exclusions that apply are the following:

**CX B4.7: Adding/burying fiber optic cable**

Adding fiber optic cables to transmission facilities or burying fiber optic cable in existing powerline or pipeline rights-of-way. Covered actions may include associated vaults and pulling and tensioning sites outside of rights-of-way in nearby previously disturbed or developed areas.

**CX B4.11 Electric Power substations and interconnection facilities**

Construction or modification of electric power substations or interconnection facilities (including, but not limited to, switching stations and support facilities).

**CX 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.

**CX B5.5 Short pipeline segments**

Construction and subsequent operation of short (generally less than 20 miles in length) pipeline segments conveying materials (such as air, brine, carbon dioxide, geothermal system fluids, hydrogen gas, natural gas, nitrogen gas, oil, produced water, steam, and water) between existing source facilities and existing receiving facilities (such as facilities for use, reuse, transportation, storage, and refining), provided that the pipeline segments are within previously disturbed or developed rights-of-way.

NRLFO Approval: C. M. Labee Date: 6/13/12  
C. M. Labee for D. W. Harper CX Determination Date