

**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 Soil Repository Parking Expansion General Plant Project

REFERENCE

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

PROJECT SCOPE DISCUSSION

Access to safe and convenient on-site parking for Bettis personnel, Government personnel, subcontractors, and visitors is essential to the operation of the Bettis Laboratory to support the Naval Nuclear Propulsion Program (NNPP) Mission and vital to the Horizon Planning goal to deliver a Workplace of the Future. Furthermore, maintaining adequate on-site parking is an NNPP standard set in the Real Property Strategies and Planning Assumptions. The essential nature of on-site parking is amplified due to the lack of viable public transportation in the area to efficiently transport the workforce to the Bettis Laboratory. Consequently, the Bettis Laboratory Site has made it a priority to monitor parking supply and demand and implement solutions to provide sufficient parking capacity.

As a result of the knowledge gained during parking monitoring and internal discussions, Bettis recommends a temporary parking solution on the upper clean soil repository (CSR) level. To prepare for the impending shortfall, the upper soil repository area will be altered to add approximately 100 gravel spaces which will be immediately utilized for parking. This project provides additional gravel spaces that are intended to be temporary and will provide flexibility to the long-range parking plan as it could be transformed into numerous different aspects depending on the parking needs for the laboratory. If it needs to become permanent parking a separate task to pave this area and roadways could be enacted for a lower cost after the completion of this project. If other projects alleviate the need for this parking lot, the gravel in the area could become an outdoor staging or storage area that would be beneficial for many of the upcoming projects and overall site operations long into the future.

The scope of the project is proposed to alter the existing upper CSR area with minor regrading to place gravel for the parking area and ingress/egress driving aisles. A designated gravel pedestrian walkway will be installed along with area lighting and signage within the parking and pedestrian areas.

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

Bettis Laboratory Parking Expansion Soil Repository General Plant Project is categorically excluded from additional NEPA documentation under 10 CFR 1021 Subpart D, Appendix B, B1.15, B1.33, and B3.1. 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.

B1.33 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).

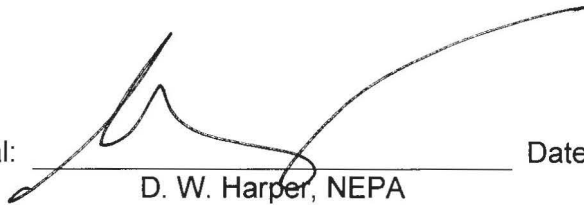
B3.1 Site Characterization and Environmental Monitoring

Site characterization and environmental monitoring (including, but not limited to, siting, construction, modification, operation, and dismantlement and removal or otherwise proper closure (such as of a well) of characterization and monitoring devices, and siting, construction, and associated operation of a small-scale laboratory building or renovation of a room in an existing building for sample analysis). Such activities would be designed in conformance with applicable requirements and use best management practices to limit the potential effects of any resultant ground disturbance. Covered activities include, but are not limited to, site characterization and environmental monitoring under CERCLA and RCRA. (This class of actions excludes activities in aquatic environments. See B3.16 of this appendix for such activities.) Specific activities include, but are not limited to:

- (a) Geological, geophysical (such as gravity, magnetic, electrical, seismic, radar, and temperature gradient), geochemical, and engineering surveys and mapping, and the establishment of survey marks. Seismic techniques would not include large-scale reflection or refraction testing;
- (b) Installation and operation of field instruments (such as stream-gauging stations or flow-measuring devices, telemetry systems, geochemical monitoring tools, and geophysical exploration tools);
- (c) Drilling of wells for sampling or monitoring of groundwater or vadose (unsaturated) zone, well logging, and installation or water-level recording devices in wells;
- (d) Aquifer and underground reservoir response testing;
- (e) Installation and operation of ambient air monitoring equipment;

- (f) Sampling and characterization of water, soil, rock, or contaminants (such as drilling using truck-or mobile-scale equipment, and modification, use, and plugging of boreholes);
- (g) Sampling and characterization of water effluents, air emissions, or solid waste streams;
- (h) Installation and operation of meteorological towers and associated activities (such as assessment of potential wind energy resources);
- (i) Sampling of flora and fauna; and
- (j) Archeological, historical, and cultural resource identification in compliance with 36 CFR Part 800 and 43 CFR Part 7.

NRLFO Approval: _____



D. W. Harper, NEPA
Compliance Officer

Date: _____

9/30/2022
CX Determination Date