

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

Kesselring Site

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

BUILDING 80A/80B REFURBISHMENT

REFERENCE

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

PROJECT SCOPE DISCUSSION

The scope of the Kesselring Site Building 80A/80B refurbishment will include replacement of the following systems and components: facility ventilation system, electrical power distribution system, roof hatch gaskets and drive components, fire alarm and security systems, exterior wall panels, door assemblies, and minor modifications of the existing structure. The existing bridge crane in the facility will be refurbished. Exterior wall panels will be added to the structure to protect the existing structural elements.

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 actions. 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 Building 80A/80B refurbishment is categorically excluded from additional NEPA documentation under 10 CFR 1021 Subpart D, Appendix B, B1.3 and B2.5.

Specifically, the categorical exclusions that apply are:

B1.3 Routine maintenance

Routine maintenance activities and custodial services for buildings, structures, rights-of-way, infrastructures (including, but not limited to, pathways, roads, and railroads), vehicles and equipment, and localized vegetation and pest control, during which operations may be suspended and resumed, provided that the activities would be conducted in a manner in accordance with applicable requirements. Custodial services are activities to preserve facility appearance, working conditions, and sanitation (such as cleaning, window washing, lawn mowing, trash collection, painting, and snow removal). Routine maintenance activities, corrective (that is, repair), preventive, and predictive, are required to maintain and preserve buildings, structures, infrastructures, and equipment in a condition suitable for a facility to be

used for its designated purpose. Such maintenance may occur as a result of severe weather (such as hurricanes, floods, and tornados), wildfires, and other such events. Routine maintenance may result in replacement to the extent that replacement is in-kind and is not a substantial upgrade or improvement. In-kind replacement includes installation of new components to replace outmoded components, provided that the replacement does not result in a significant change in the expected useful life, design capacity, or function of the facility. Routine maintenance does not include replacement of a major component that significantly extends the originally intended useful life of a facility (for example, it does not include the replacement of a reactor vessel near the end of its useful life). Routine maintenance activities include, but are not limited to:

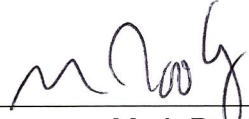
- Repair or replacement of facility equipment, such as lathes, mills, pumps, and presses;
- Door and window repair or replacement;
- Wall, ceiling, or floor repair or replacement;
- Reroofing;
- Plumbing, electrical utility, lighting, and telephone service repair or replacement;
- Routine replacement of high-efficiency particulate air filters;
- Inspection and/or treatment of currently installed utility poles;
- Repair of road embankments;
- Repair or replacement of fire protection sprinkler systems;
- Road and parking area resurfacing, including construction of temporary access to facilitate resurfacing, and scraping and grading of unpaved surfaces;
- Erosion control and soil stabilization measures (such as reseeding, gabions, grading, and re-vegetation);
- Surveillance and maintenance of surplus facilities in accordance with DOE Order 435.1, "Radioactive Waste Management," or its successor;
- Repair and maintenance of transmission facilities, such as replacement of conductors of the same nominal voltage, poles, circuit breakers, transformers, capacitors, crossarms, insulators, and downed power lines, in accordance, where appropriate, with 40 CFR part 761 (Polychlorinated Biphenyls Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions) or its successor;
- Routine testing and calibration of facility components, subsystems, or portable equipment (such as control valves, in-core monitoring devices, transformers, capacitors, monitoring wells, lysimeters, weather stations, and flumes);
- Routine decontamination of the surfaces of equipment, rooms, hot cells, or other interior surfaces of buildings (by such activities as wiping with rags, using strippable latex, and minor vacuuming), and removal of contaminated intact equipment and other material (not including spent nuclear fuel or special nuclear material in nuclear reactors); and
- Removal of debris.

B2.5 Facility safety and environmental Improvements

Safety and environmental improvements of a facility (including, but not limited to, replacement and upgrade of facility components) that do not result in a significant change in the expected useful life, design capacity, or function of the facility and during which operations may be suspended and then resumed. Improvements include, but are not limited to, replacement/upgrade of control valves, in-core monitoring devices, facility air filtration systems, or substation transformers or

capacitors; addition of structural bracing to meet earthquake standards and/or sustain high wind loading; and replacement of aboveground or below ground tanks and related piping, provided that there is no evidence of leakage, based on testing in accordance with applicable requirements (such as 40 CFR part 265, "Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities" and 40 CFR part 280, "Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks"). These actions do not include rebuilding or modifying substantial portions of a facility (such as replacing a reactor vessel).

NRRO Approval:



M. J. Dooley

Date:

6/10/2014

CX Determination Date