U.S. Department of Energy
Naval Reactors Representative's Office
Kesselring Site

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

KESSELRING SITE HIGH YARD (HY) 30 UPGRADE PROJECT AND BUILDING 28 UNDERGROUND CONDUIT INSTALLATION PROJECT

REFERENCE

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

PROJECT SCOPE DISCUSSION

The Kesselring Site High Yard (substation) 30 Upgrade Project involves the demolition of HY 40, upgrading HY 30 & Line-Tap-Structure (LTS), and installing underground conduits from Building 28.

The scope of work includes:

- Demolition of HY 40 includes removal of overhead service conductors, utility poles, insulators, lightning arresters, primary disconnect switch, substation transformer, metal structures, foundations, oil spill containment, ground grid, fence and switchgear.

- Upgrading of HY 30 includes demolition/installation of overhead service conductors, insulators, lightning arresters, primary disconnect switches, fused switches, substation transformers, switchgear, metal structure supports, foundations, oil spill containments, ground grid, fence and ductbanks.

- Upgrading at LTS includes installation of circuit switchers, structural reinforcement, battery system, protective relays, high voltage potential transformers and remote terminal unit.

- Installation of underground conduits from Building 28 to multiple buildings, utility poles and handholes to redistribute the electrical distribution to the loads currently supplied by Load Centers G & H to switchgear in Building 28.

The project consolidates high yards, reduces the number of electrical equipment which lowers maintenance costs, reduces environmental liabilities and complies with National Grid Utility requirements for service upgrades, all without affecting overall, electrical distribution redundancy.

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 Kesselring Site High Yard (HY) 30 Upgrade Project and Building 28 Underground Conduit Installation Project are categorically excluded from additional NEPA documentation under 10 CFR 1021 Subpart D, Appendix B, B1.3, B1.15, B1.23 and B4.6. 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:
(a) Repair or replacement of facility equipment, such as lathes, mills, pumps, and presses;
(b) Door and window repair or replacement;
(c) Wall, ceiling, or floor repair or replacement;
(d) Reroofing;
(e) Plumbing, electrical utility, lighting, and telephone service repair or replacement;
(f) Routine replacement of high-efficiency particulate air filters;
(g) Inspection and/or treatment of currently installed utility poles;
(h) Repair of road embankments;
(i) Repair or replacement of fire protection sprinkler systems;
(j) Road and parking area resurfacing, including construction of temporary access to facilitate resurfacing, and scraping and grading of unpaved surfaces;
(k) Erosion control and soil stabilization measures (such as reseeding, gabions, grading, and revegetation);
(l) Surveillance and maintenance of surplus facilities in accordance with DOE Order 435.1, "Radioactive Waste Management," or its successor;
(m) 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;
(n) 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);
(o) 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
(p) Removal of debris.

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.

B1.23 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.

B4.6 Additions and Modifications to Transmission Facilities

Additions and modifications to electric power transmission facilities within a previously disturbed or developed facility area. Covered activities include, but are not limited to, switchyard rock grounding upgrades, secondary containment projects, paving projects, seismic upgrading, tower modifications, load shaping projects (such as the installation and use of flywheels and battery arrays), changing insulators, and replacement of poles, circuit breakers, conductors, transformers, and crossarms.

NRRO Approval: _____ Date: 16MARCH21

H. S. Miller — CX Determination Date