

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

National Environmental Policy Act (NEPA) Categorical Exclusion (CX)  
Determination Summary Form  
Site Service Water and Sanitary Sewer Upgrades

**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 this project is to upgrade the Kesselring Site (KS) Site Service Water (SSW) and the Sanitary Sewer (SS) systems. These upgrades are described below:

SSW Upgrades:

The scope of this project includes the demolition of the SSW Pump House structure and replacement with a new pump house within the same footprint as the existing. The pump, motor, and controls will be replaced and a variable frequency drive (VFD) will be installed to provide more efficient operation and control of the newly installed pump/motor.

The SSW upgrades also includes miscellaneous electrical, communication/networking, and control improvements described below:

- (1) VFD will be installed on the exterior to provide more efficient operation of pump,
- (2) A new control panel and Program Logic Controller to monitor field devices and control pump,
- (3) New networking equipment to integrate the new equipment,
- (4) Installation of new underground power and communications duct bank,
- (5) Installation of chain-linked fencing, and
- (6) Installation of Emergency Diesel Generator.

In addition, appropriate temporary erosion and sediment and control devices (i.e. silt fencing, erosion control blanket, etc.) will be used to control storm water run-off during a rain event.

SS Upgrades:

The SS project includes the installation of a self-cleaning pretreatment device (semi-cylindrical, strainer screen) installed over top of the existing Pre-Equalization (Pre-EQ) Tank within the Sewage Waste Treatment Facility. After flowing through the device the screened influent will discharge to the Pre-EQ Tank.

**CONCLUSION**

The KS SSW and SS Upgrade Projects are categorically excluded from additional NEPA documentation under 10 CFR 1021 Subpart D, Appendix B, B1.11, B1.15, B1.16, B1.23, B1.26, B1.27, B1.33 and B2.2. Specifically, the categorical exclusions that apply to these projects are:

### *B1.11 Fencing*

Installation of fencing, including, but not limited to border marking, that would not have the potential to significantly impede wildlife population movement (including migration) or surface water flow.

### *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.

### *B1.16 Asbestos removal*

Removal of asbestos-containing materials from buildings in accordance with applicable requirements (such as 40 CFR part 61, "National Emission Standards for Hazardous Air Pollutants"; 40 CFR part 763, "Asbestos"; 29 CFR part 1910, subpart I, "Personal Protective Equipment"; and 29 CFR part 1926, "Safety and Health Regulations for Construction"; and appropriate state and local requirements, including certification of removal contractors and technicians).

### *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.

### *B1.26 Small water treatment facilities*

Siting, construction, expansion, modification, replacement, operation, and decommissioning of small (total capacity less than approximately 250,000 gallons per day) wastewater and surface water treatment facilities whose liquid discharges are externally regulated, and small potable water and sewage treatment facilities.

### *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.

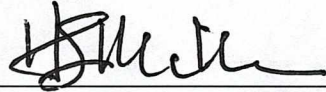
### *B1.33 Stormwater runoff control*

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).

*B2.2 Building and equipment instrumentation*

Installation of, or improvements to, building and equipment instrumentation (including, but not limited to, remote control panels, remote monitoring capability, alarm and surveillance systems, control systems to provide automatic shutdown, fire detection and protection systems, water consumption monitors and flow control systems, announcement and emergency warning systems, criticality and radiation monitors and alarms, and safeguards and security equipment).

NRRO Approval:



H. S. Miller

Date:

10 FEB 2021

CX Determination Date