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

Naval Reactors Facility

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

NAVAL REACTORS FACILITY MEDICAL SCIENCE COMPLEX

REFERENCE

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

PROJECT SCOPE DISCUSSION

The purpose of the Naval Reactors Facility (NRF) Medical Science Complex (MSC) project is to construct a facility that will consolidate four departments into a single, new facility. The Medical, Radiation Health, Chemistry, and Quality Assurance groups are currently located in separate buildings, all of which have reached, or will soon reach, their useful life and do not provide enough space for the increase in personnel anticipated for these groups in the near future. The old buildings will remain in place and will not be demolished as part of this project.

The scope of the project includes siting, constructing, and operating a building, approximately 27,000 square feet in size, to provide office and laboratory space for approximately 53 workers. The building will include offices, laboratories with fume hoods and sinks, restrooms, meeting areas, kitchenettes, decontamination showers, etc. Site characterization may include geotechnical sampling to determine soil suitability. Site preparation will include the removal of abandoned utilities, excavation, and installation of new utility lines. Construction will include concrete foundations, steel structural components, utility infrastructure, concrete floors, roofing, interior finishing and lighting, walkways and driveways, landscaping, and water, sewer, heating, electrical, and safety systems. The new building will be located within the NRF developed area and will tie into the existing utilities. The project will be completed using Major Construction Project (MCP) funds.

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 NRF Medical Science Complex MCP is categorically excluded from additional NEPA documentation under 10 CFR 1021 Subpart D, Appendix B, B1.15, B2.3, and B3.1. Specifically, the categorical exclusions that apply include 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 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.

B2.3, Personnel Safety and Health Equipment

Installation of, or improvements to, equipment for personnel safety and health (including, but not limited to, eye washes, safety showers, radiation monitoring devices, fumehoods, and associated collection and exhaust systems), provided that the covered actions would not have the potential to cause a significant increase in emissions.

B3.1, Site Characterization and Monitoring

Site characterization and environmental monitoring (including, but not limited to, siting, construction, modification, operation, and dismantlement and abandonment 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 not have the potential to cause significant impacts from ground disturbance. Covered activities include, but are not limited to, site characterization and environmental monitoring under [Comprehensive Environmental Response, Compensation, and Liability Act] and [Resource Conservation and Recovery Act]. (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 the vadose (unsaturated) zone, well logging, and installation of 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 or fauna; and*

j) *Archeological, historic, and cultural resource identification in compliance with 36 CFR part 800 and 43 CFR part 7.*

NRLFO Approval: _____ Date: 2/12/19

C. M. Henvit — CX Determination Date