

**SECTION A. Project Title:** 793 & 793C Perma-Con containment

**SECTION B. Project Description and Purpose:**

The objective of the MFC- 793 & MFC-793C Perma-Con containment project is to provide and construct a permanent modular containment structure to replace a temporary containment tent that supports various activities at the Materials and Fuels Complex (MFC) located at Idaho National Laboratory (INL). The temporary containment tent, or change room/entry tent, in MFC-793 is currently soft sided and will be replaced with a hard sided Permacon tent. The containment tent in MFC-793 is also soft sided and will be replaced with a hard sided Permacon tent as well. These tent structures are used for performing visual inspections of sodium bearing wastes and repackaging as necessary. The perma-con containment provides for contamination control and containment for opening various radiological contaminated or mixed waste containers for examination, maintenance, repackaging or container treatment. The perma-con containment is associated with the MFC HWMA/RCRA Permit located within the SCMS facility. Repackaging activities may include: Sorting and segregating the HW/MW by waste type (i.e., solid, liquid, debris) into a container compatible for storage or treatment and disposal and transferring the HW/MW from one container to another container. Waste does not get stored in these locations other than for inspection and repackaging activities. Once complete, waste items are removed from the tent enclosures and placed in staging locations elsewhere in the respective facilities.

The scope of work required to achieve this objective includes selecting a specialty subcontractor to develop the engineering and design of the containment structure. The specialty subcontractor will conduct the fabrication, testing, and shipment of the prefabricated containment structure. In-house engineering will support for design approval, and engineering support during execution and closeout phases of the project. In-house quality assurance support will travel to the fabricator's location to witness and verify that quality requirements are met during the fabrication process. A separate subcontractor will erect the prefabricated containment structures. Construction activities would include minor floor preparation, assembly and erection of the containment structures, routing minor electrical supplies and leak/pressure testing of the containment structures.

**SECTION C. Environmental Aspects or Potential Sources of Impact:**

**Air Emissions**

NA

**Discharging to Surface-, Storm-, or Ground Water**

NA

**Disturbing Cultural or Biological Resources**

Cultural: Pursuant to the 2023 Programmatic Agreement, this federal undertaking is excluded from Section 106 review as the proposed activity has little to no potential to cause effects to historic properties.

**Generating and Managing Waste**

When wastes are generated, how they are disposed can adversely affect the environment. Managing wastes appropriately and responsibly and implementing recycling or reuse practices, where feasible, during project activities can reduce the potential impact on the environment.

The project anticipates generating radioactive waste from the removal of the temporary containment tent.

**Releasing Contaminants**

When chemicals are used during the project there is the potential for spills that could impact the environment (air, water, soil).

**Using, Reusing, and Conserving Natural Resources**

Project description indicates materials will need to be purchased or used that require sourcing materials from the environment. Being conscientious about the types of materials used could reduce the impact to our natural resources.

**SECTION D. Determine Recommended Level of Environmental Review, Identify Reference(s), and State Justification:** Identify the applicable categorical exclusion from 10 Code of Federal Regulation (CFR) 1021, Appendix B, give the appropriate justification, and the approval date.

For Categorical Exclusions (CXs), the proposed action must not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, and health, or similar requirements of Department of Energy (DOE) or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment or facilities; (3) disturb hazardous substances, pollutants, contaminants, or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; (4) have the potential to cause significant impacts on environmentally sensitive resources (see 10 CFR 1021). In addition, no extraordinary circumstances related to the proposal exist that

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would affect the significance of the action. In addition, the action is not “connected” to other action actions (40 CFR 1508.25(a)(1) and is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1608.27(b)(7)).

**References:** B1.15 "Support buildings"

**Justification:** 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.

Is the project funded by the American Recovery and Reinvestment Act of 2009 (Recovery Act)     Yes     No

Approved by Jason L Anderson, DOE-ID NEPA Compliance Officer on: 11/7/2023