

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: SPSF Outside Gas Cylinder Storage Rack, Awning, and Cement Pad

SECTION B. Project Description and Purpose:

Space and Security Power Systems Facility (SSPSF) at MFC needs a Gas Cylinder Storage Area. The cages now sit far from the door and in the winter months it's hard to access the cylinders through the snow and ice with the cylinder cart. A Gas Cylinder Storage Area for non-flammable gas cylinders will provide an area of accessibility close to the back door of building stairwell and the high bay room 103. Placed on the cement pad there will be a free-standing awning enclosure, (awning will be the only connection to the stairwell wall by flashing only). Enclosure will hold 20 K-size cylinders to help protect the cylinders from the weather. Seven new bollards will be installed to protect the storage area and the building from vehicles.



SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Activities addressed have the potential to contribute to air emissions through the operation of fuel burning equipment and the use of maintenance equipment. If mobile sources (equipment) will be used temporarily, they must meet Idaho Administrative Procedures Act (IDAPA) 58.01.01.625 visible emission opacity requirements. Fugitive dust will likely be generated during proposed work.

Discharging to Surface-, Storm-, or Ground Water

N/A

Disturbing Cultural or Biological Resources

Please refer to cultural resource review BEA-22-H116.

Generating and Managing Waste

The project activities will generate industrial (non-hazardous, non-radioactive) wastes such as scrap metal, plastic, concrete, and packaging material. Potential waste materials will be evaluated for waste minimization prior to generation, and industrial waste generated during proposed activities will be evaluated for recycling opportunities prior to disposal at the INL Landfill Complex.

All solid waste will be managed by WGS using approved laboratory procedures.

Releasing Contaminants

Typical construction chemicals such as fuels, lubricants, adhesives, concrete, concrete cure, etc., will be used and will be submitted to chemical inventory lists with associated Safety Data Sheets (SDSs) for approval in the vendor data system prior to use.

Although not anticipated, there is a potential for spills when using chemicals or fueling equipment.

Using, Reusing, and Conserving Natural Resources

All materials would be reused and/or recycled where economically practicable. All applicable waste would be diverted from disposal in the landfill where conditions allow, waste will be evaluated for recycling opportunities.

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.

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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 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:

10 CFR 1021, Appendix B to subpart D, items B1.15 "Support Buildings."

Justification:

The proposed activities are consistent with CX B1.15 "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: 05/17/2022