

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: Installation of Emergency Eyewash/Shower Station in Room B6 of the Radiochemistry Laboratory

SECTION B. Project Description:

The purpose of this project is to install a combination emergency eyewash/shower station in room B6 of the Radiochemistry Laboratory at the Materials and Fuels Complex (MFC) building MFC-1702. The emergency eyewash/shower station will provide a method of personnel decontamination. The eyewash/shower station will be a "water on demand system" that will only require water flow for decontamination of individuals and periodic testing. The water supply to the shower will be tied into an existing potable water line in the overhead in the same room.

The eyewash/shower station will be anchored with 3/8 inch Hilti KB TZ anchors with 3 inch minimum embedment into the concrete floor. There are no floor drains in the room. Water would flow to the floor and then be mopped or wiped up.

All products must be American National Standards Institute (ANSI)-NSF-61 certified products/materials rated to 80 psig or greater.

Additionally there will be interferences that will have to be relocated.

- Electrical - light switches and 208 V receptacles will have to be relocated.
- Cooling water - cooling water lines above shower station will interfere with the shower linkage. Add fittings and move tubing as needed to install shower in accordance with manufacturer's instructions.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Generating and Managing Waste: Project activities will generate industrial waste. All waste generated from this activity will be managed in accordance with laboratory procedures. Pollution prevention/waste minimization will be implemented where economically practicable to reduce the volume and/or toxicity of waste generated. All waste generated will be transferred to Waste Generator Services (WGS) for appropriate disposition.

Using, Reusing, and Conserving Natural Resources: All materials will be reused and/or recycled where economically practicable and as accepted by the customer. All applicable waste will be diverted from disposal in the landfill where conditions allow. The project will practice sustainable acquisition, as appropriate and practicable, by procuring construction materials that are energy efficient, water efficient, are bio-based in content, environmentally preferable, non-ozone depleting, have recycled content, or are non-toxic or less-toxic alternatives (see <https://sftool.gov/green-products/0?agency=7>).

SECTION D. Determine the Recommended Level of Environmental Review (or Documentation) and Reference(s): 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 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: National Environmental Policy Act (NEPA) Implementing Procedures, Final Rule. 10 CFR 1020 Appendix B to Subpart D, Categorical Exclusion B2.3 "Personnel safety and health equipment."

Justification: Project activities in this EC are consistent with 10 CFR 1021 Appendix D to Subpart D, Categorical Exclusion B2.3. "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."

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

Approved by Jack Depperschmidt, DOE-ID NEPA Compliance Officer on: 2/17/2015