

**DOE-ID NEPA CX DETERMINATION**  
**Idaho National Laboratory**

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CX Posting No.: DOE-ID-INL-25-010

<b>SECTION A. Project Title:</b> EBR-I Glass Repair, Guard House Repair, Fire Extinguisher
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<b>SECTION B. Project Description and Purpose:</b>
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On Monday, February 3, INL Tours staff reported to the CRMO that one of the glass faces on the EBR-I control cabinet had been broken, leaving exposed live edges and creating a safety hazard. CRMO staff were able to remove the glass pieces and store them safely; however, this left the mechanisms in the control cabinet unprotected. Temporary stanchions have been in place since February 3 as a safety measure for both guests and the original equipment.

This project proposes to replace the broken glass face with a one-to-one replacement in kind, using glass of the appropriate thickness (approx. 3/16ths) and cut to dimension. The new glass will be installed in the case and the broken glass safely disposed of. Substitute materials such as acrylic, plexiglass, or Lexan will not be used.

Glazing on the south window of EBR-I-602 (Guard house) failed and a replacement pane fell out. The pane is currently laying on the ground and appears to be sound enough for replacement.

This project proposes to reinstall the replacement pane and reglaze it and to conduct preventative repair of any failing glazing on the southern window. No new materials beyond the necessary glazing will be used. The two actions above will be completed under Work Order 380184.

A walk down for fire assessment FA-EBR1-602-25 was conducted in January 2025 and found that EBR-I-602 (Guard house) lacked a required fire extinguisher. The project proposes installing a 2-A extinguisher (approx. 4 lbs.) on the interior of EBR-I-602 as near as practicable to the north door.



Figure 1. Broken glass face on EBR-I Control Panel, exterior.



Figure 2. Broken glass face on EBR-I Control Panel, interior.



Figure 3. South window, EBR-I-602, showing failed glazing on lower pane of upper sash and generally poor condition of remaining glazing.





Figure 4. EBR-I-602, lower pane of upper sash appears to be a replacement using a non-glass substitute, such as acrylic or Lexan. Pane appears to be undamaged and suitable for reinstallation.

#### **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: A Section 106 review was completed under CRMO project number (BEA-25-042) and resulted in No Adverse Effect. Project specific consultation is not required for this project. Please refer to Hold Points and/or Project Specific Instructions of the ECP.

##### **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.

Polychlorinated Biphenyl (PCB) waste could be generated when work activities involve structures or buildings built before 1982 (e.g., painted

surfaces, caulking, adhesives, rubber gaskets, joint sealer, cable/wire insulation, ventilation duct gaskets or insulation).

#### 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.

#### Environmental Justice

NA

**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 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:** B1.3 "Routine maintenance"

**Justification:** Based on the purpose and need and description of the proposed action and potential environmental impacts, the proposed action fits within the class of actions that is listed in Appendix B CX B1.3. There are no extraordinary circumstances related to the proposed action that may affect the significance of the environmental effects of the proposal (10 CFR 1021.410(b)(2)). The proposed action has not been segmented to meet the definition of a categorical exclusion (10 CFR 1021.410(b)(3)). This proposal is not connected to other actions with potentially significant impacts, is not related to other actions with individually insignificant but cumulatively significant impacts, and is not precluded by 10 CFR 1021.211 concerning limitations on actions during preparation of an environmental impact statement (10 CFR 1021.410(b)(3)).

Authorizing the proposed action will not (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, including DOE and/or Executive orders; (2) require siting of new facilities or expansion of existing facilities; (3) disturb hazardous substances, pollutants, or contaminants; (4) adversely affect environmentally sensitive resources; or (5) involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species.

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

Approved by Robert Douglas Herzog, DOE-ID NEPA Compliance Officer on: 4/14/2025