

DOE-ID NEPA CX DETERMINATION
IDAHO NATIONAL LABORATORY

SECTION A. Project Title: Advanced Test Reactor (ATR) Primary Coolant System (PCS) Relief Valves Monorail System

SECTION B. Project Description:

The purpose of this project is to provide a monorail system to aid maintenance personnel in the hoisting and transporting of the Advanced Test Reactor (ATR) Primary Coolant System (PCS) Safety Relief Valves, SF-A-1-71 and SF-A-1-72, in support of the 2 year replacement. The monorail system would consist of two independent monorail assemblies installed in the concrete ceiling of the ATR Nozzle Trench Area.

The proposed monorail system would provide the ability to hoist and transport the ATR PCS Relief Valves, SF-A-1-71 and SF-A-1-72, from their installed location on the north side of the Nozzle Trench Area to areas free of floor obstructions. This project would require two separate monorail systems due to several ceiling obstructions caused by existing equipment.

The monorail system would be fabricated from standard B-Line and Crosby components or equivalent. The monorail would be designed to lift and transport each relief valve which weighs approximately 130 lbs.

Projected Start Date: May of 2012
Projected End Date: June of 2012
Estimated cost: \$2,500

SECTION C. Environmental Aspects / Potential Sources of Impact:

Disturbing Cultural / Biological Resources: TRA-670 is eligible for nomination to the National Register of Historic Places. Without proper mitigation, alteration of original features may adversely impact this historic property. Prior to beginning work, obtain cultural/historical resource review by contacting Julie Braun (Williams) (526-0926). Approval must be demonstrated by written communication from these organizations prior to beginning work, and any instructions contained in the review must be followed.

Generating and Managing Waste: The project would generate construction and industrial waste, including PPE, cleaning wipes, HEPA vacuum filters, packaging material, etc., that has the potential to contain PCBs, and/or radioactive materials. All waste would 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 would be characterized and disposed at the direction of Waste Generator Services (WGS).

Releasing Contaminants: There would be a potential for PCB contamination due to contact with pre-1980 paint. Engineering and administrative controls would be used to minimize the potential for contamination.

All chemicals utilized by this activity would be managed in accordance with laboratory procedures.

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.

SECTION D. Recommended Level of Environmental Review (or Documentation) and Reference(s): Identify the applicable categorical exclusion from 10 CFR 1021, Appendix B, give the appropriate justification, and the approval date.

Note: 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, including requirements of DOE orders; 2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities; 3) disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; 4) adversely affect environmentally sensitive resources. In addition, no extraordinary circumstances related to the proposal exist which would affect the significance of the action, and the action is not "connected" nor "related" (40 CFR 1508.25(a)(1) and (2), respectively) to other actions with potentially or cumulatively significant impacts

References: 10 CFR 1021, Appendix B to Subpart D categorical exclusion B1.31 "Installation or relocation of machinery and equipment."

Justification: The proposed action is consistent with 10 CFR 1021, Appendix B to Subpart D categorical exclusion B1.31 "Installation or relocation of machinery and equipment" which includes "installation or relocation and operation of machinery and equipment (including, but not limited to, laboratory equipment, electronic hardware, manufacturing machinery, maintenance equipment, and health and safety equipment), provided that uses of the installed or relocated items are consistent with the general missions of the receiving structure. Covered actions include modifications to an existing building, within or contiguous to a previously disturbed or developed area, that are necessary for equipment installation or relocation. Such modifications would not appreciably increase the footprint or height of the existing building or have the potential to cause significant changes to the type and magnitude of environmental impacts.

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: 5/14/2012