DOE-ID NEPA CX DETERMINATION
Idaho National Laboratory

EC Document No.: DOE-ID-INL-13-026

SECTION A. Project Title: Relief Valve Test Stand Relocation

SECTION B. Project Description:

The scope of this modification is to relocate the existing relief valve test stand (RVTS) and associated high pressure air supply (skid mounted compressor and bottle rack dedicated to the RVTS) from the laydown area in Test Reactor Area (TRA)-670 to TRA-605. This modification will also include disconnecting the existing utilities from the RVTS in Advanced Test Reactor (ATR) and modifying/re-connecting these same type of utilities in TRA-605. There are some painted items associated with the rip out; however, the drawings that installed the RVTS are dated 1982. This modification is being performed to support the commercial power modification.

Projected Start Date: November 2013
Projected End Date: November 2013
Estimated Cost: approximately $3,000.00

SECTION C. Environmental Aspects or Potential Sources of Impact:

Disturbing Cultural or Biological Resources: TRA-670 is eligible for nomination to the National Register of Historic Places and removal and/or changes of original features will 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: Construction activities could generate hazardous waste during the demolition of existing equipment and the installation of the new equipment. Asbestos and/or lead based paint and polychlorinated biphenyls (PCBs) may have been used in the construction of the facility and could be disturbed by construction activities. Approved work controls would be in place to ensure that no airborne release of asbestos and lead would occur during removal activities. Project personnel would work with Waste Generator Services (WGS) to properly characterize, store, and dispose all waste according to established waste streams and company procedures. All radioactive waste would be managed in accordance with laboratory procedure and established waste streams to ensure compliance with Department of Energy Order (DOE O) 435.1 CHG 1. Pollution Prevention/Waste Minimization would be incorporated where economically practical. All waste generated will be transferred to the WGS organization for appropriate disposition.

Releasing Contaminants: All chemicals would be managed in accordance with laboratory procedures.

Using, Reusing, and Conserving Natural Resources: All materials would be reused and recycled where economically practicable. All applicable waste would be diverted from disposal in the landfill where conditions allow. Project personnel will use every opportunity to recycle, reuse and recover materials and divert waste from the landfill when possible. 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 recycle content or are non-toxic or less toxic alternatives. New equipment will meet either the Energy Star or Significant New Alternatives Policy (SNAP) requirements as appropriate (see http:/www.sftool.gov/GreenProcurementCategory/14).

SECTION G. Determine the 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.

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 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 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: National Environmental Policy Act (NEPA) Implementing Procedure, Final Rule, " 10 CFR 1020 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, item B1.31 categorical exclusion, "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 and relocation. Such modifications would not appreciably increase the footprint or height of the existing buildings 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: 10/24/2013