

DOE-ID NEPA CX DETERMIANTION

Idaho National Laboratory

SECTION A. Project Title: Test Reactor Area (TRA)-653 Men's Shower Remodel

SECTION B. Project Description and Purpose:

The TRA-653 men's shower is in need of remodeling due to the age, loose or missing ceramic tile and the difficulty in cleaning it. The proposed project will remove the shower materials including ceramic tile (approximately 385 square feet), grout, and grout base and replace with a new non-slip type tile, grout and grout seal. In addition, the hot water supply to TRA-649 men's and women's restrooms is not adequate and must be supplemented with two point-of-use, low demand electric water heaters. These water heaters will be installed in both men's and women's restrooms and will require minor electrical and plumbing modifications to connect them. These water heaters comply with the Federal Energy Conservation Standards in accordance with the Energy Policy and Conservation Act.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

There is a possibility for disturbance of asbestos containing building materials. All asbestos work must be conducted by properly trained personnel using appropriate abatement methods. Quantities of asbestos that are to be disturbed will be communicated to the Construction Environmental Support and Services (ES&S) representative in order to file the Asbestos Removal Notification Form (450.04). Asbestos work will not take place until the project has received approval from the Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAPs) Technical Point of Contact (TPOC).

Disturbing Cultural or Biological Resources

TRA-653 is eligible for nomination to the National Register of Historic Places as a Category 3 historic property. Prior to beginning work, obtain cultural/historical resource review by contacting Christina L. Olson (526-1692). Approval must be demonstrated by written communication from these organizations prior to beginning work, and any instructions contained in the review must be followed, if applicable.

Generating and Managing Waste

General non-hazardous industrial waste in the form of ceramic tile, grout, wire, and metal conduit may be generated on the project. The wire and metal conduit scrap will be recycled where practical. All waste will be characterized and disposed through Waste Generator Services (WGS).

Releasing Contaminants

Typical construction chemicals such as grout, sealer, and lubricants will be used during the project. The subcontractor will submit a chemical inventory list with associated Safety Data Sheets through the vendor data system for approval. The Construction Chemical Coordinator will enter these chemicals into the Idaho National Laboratory (INL) Comply Plus chemical management system for tracking purposes.

Using, Reusing, and Conserving Natural Resources

Scrap wire and metal will be recycled when practical. The water heaters to be installed will comply with the Federal Energy Conservation Standards in accordance with the Energy Policy and Conservation Act. All applicable waste will be diverted from disposal in the landfill when possible. 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 recycled 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/GreenProcurement>).

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)).

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References: 10 CFR 1021, Appendix B, B2.1 "Workplace enhancements"

Justification: Project activities are consistent with 10 CFR 1021, Appendix B, "Modifications within or contiguous to an existing structure, in a previously disturbed or developed area, to enhance workplace habitability (including, but not limited to, installation or improvements to lighting, radiation shielding, or heating/ventilating/air conditioning and its instrumentation, and noise reduction."

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: 11/18/2015