

DOE-ID NEPA CX DETERMINATION
Idaho National Laboratory

SECTION A. Descriptive Information Project Title: Radioactive Liquid Waste Treatment Facility (RLWTF) Tank Room Exhaust Duct

SECTION B. Project Description:

Currently, the ventilation air within the process tank room in Materials and Fuels Complex (MFC)-798, the Radioactive Liquid Waste Treatment Facility, moves from a posted radioactive contaminated area to a radiological buffer area. This return air enters the return grill on the south wall of the tank room, which is also within the radiological buffer area. Thus, ventilation is moving from a contaminated area to a clean area. The proposed action would modify the air distribution exhaust duct and grill. The project would extend the ducting from the south wall to the north wall to allow the ventilation air to be returned from the contaminated area within the tank room. All new ducting would be pre-fabricated in a shop.

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.

Generating and Managing Waste: The proposed action has the potential to generate both industrial and radioactive waste from removed sections of ventilation ducting. Project personnel will work with Waste Generator Services (WGS) to properly dispose of all waste.

Releasing Contaminants: Typical construction chemicals such as fuels, adhesives, lubricants, paints, etc., would be used on the project. The Subcontractor would enter all chemicals and associated Material Safety Data Sheets (MSDS's) in the vendor data system for approval. The Construction Chemical Coordinator would track these chemicals in the Idaho National Laboratory (INL) Comply Plus Chemical Management System. Chemical use has a potential for small amounts of air emission and spills. Any spills that occur from these chemicals would be reported to the Spill Notification Team and would be cleaned up by the subcontractor.

Using, Reusing, and Conserving Natural Resources: All materials would be reused and/or recycled where economically practicable and as accepted by the customer. All applicable waste would be diverted from disposal in the landfill where conditions allow. New equipment would meet either the Energy Star or Significant New Alternatives Policy (SNAP) requirements as appropriate (see <http://www.sftool.gov/GreenProcurement/ProductCategory/14>). In addition, the project would 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.

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 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: 10 CFR 1021, Appendix B to Subpart D item B2.5, "Facility safety and environmental improvements."

Justification: Project activities in this Environmental Checklist (EC) are consistent with 10 CFR 1021 Appendix B to Subpart D, Categorical Exclusion B2.5. "Safety and environmental improvements of a facility (including, but not limited to, replacement and upgrade of facility components) that do not result in a significant change in the expected useful life, design capacity, or function of the facility and during which operations may be suspended and then resumed. Improvements include, but are not limited to, replacement/upgrade of...facility air filtration systems."

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: 8/13/2014