

ENVIRONMENTAL CHECKLIST IDAHO NATIONAL LABORATORY

SECTION A. Project Title: TRA-653 HVAC Modifications

SECTION B. Project Description:

The proposed project plans to replace the existing blowers, swamp coolers and electric heaters in the Idaho National Laboratory (INL) Test Reactor Area-653 (TRA-653) office area with three roof mounted heating, ventilating and air conditioning (HVAC) units; and install six roof mounted HVAC units at the TRA-653 machine shop area. These modifications are needed to enhance workplace habitability, maintain a more consistent building environment, and achieve a more energy efficient system. The TRA-653 machine shop currently uses portable swamp coolers to cool their shop. TRA-653 is eligible for the National Historic Register, however, the activity as described is exempt from cultural resource review (INL Cultural Resource Management Plan; DOE/EXT-10997 rev. 3 Table 2 #4).

Approximate Project Cost: \$250,000
Estimated Start Date: June, 2010
Estimated End Date: August, 2010

SECTION C. Environmental Aspects / Potential Sources of Impact:

Air Emissions – Asbestos will not be disturbed while mounting the HVAC units to the roof of TRA-653. Asbestos containing roofing material has been removed and replaced with a membrane system. Facility personnel do not do any welding in the machine shop and therefore do not have welding emissions. Welding is done in another portion of the building (weld shop, insignificant activity) served by a different ventilation system. Certified Refrigeration Technicians will use applicable work practices and equipment when working with refrigerant.

Disturbing Cultural / Biological Resources – TRA-653 is eligible for inclusion on the National Register of Historic Places but the HVAC work is exempt from cultural resource review.

Generating and Managing Waste – Industrial Waste such as packing material, scrap metal, rubber, plastic, foam insulation, empty chemical product containers, and general office waste will be generated on the project. Hazardous waste generation is not anticipated, however, waste from adhesives or other chemical products could potentially be generated. All waste will be characterized and managed at the direction of Waste Generator Services (WGS).

Releasing Contaminants – Typical Construction chemicals such as fuels, lubricants, adhesives, weld rod, caulks, etc., will be used during the project. The subcontractor will submit a chemical inventory list with corresponding MSDS's for review and approval in the vendor data system. The Construction Chemical Coordinator will enter all subcontractor chemicals into the INL Comply Plus Chemical Management System.

Using, Reusing, and Conserving Natural Resources – The new HVAC system will maintain a more consistent building environment and will be more energy efficient than the current system.

SECTION D. Determine the 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, B2.1 and B2.5

Justification: Installation of new HVAC units at TRA-653 will result in improved workplace conditions and improved energy efficiency. These are in accordance with B2.1 "enhance workplace habitability" and B2.5 "environmental improvements of a facility"

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: 3/15/10