

**DOE-ID NEPA CX DETERMINATION
Idaho National Laboratory**

SECTION A. Project Title: MFC-752 AL Sodium Stack Monitoring System Redesign

SECTION B. Project Description and Purpose:

This environmental checklist supercedes and cancels EC INL-10-071, "MFC-752 AL -- Replace Sodium/NDA Stack Monitor -- EJ-410." The scope of work described in EC INL-10-071 was never completed and has changed.

The Analytical Laboratory (AL) sodium wing stack monitoring system for Materials and Fuels Complex (MFC) building 752 (MFC-752) does not sample isokinetically. The system samples the exhaust from the stack by pulling a sample of the exhaust through a filter paper. This filter paper is used for annual reporting of actual emissions. The proposed action would redesign the sampling system to allow isokinetic sampling of the exhaust and would install sample ports and inspection ports as necessary.

The proposed modification will replace the pumping and sampling system and will modify the stack structure.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Emissions typical of cutting, grinding, and welding are expected. The emissions from this activity are not considered construction of a new stationary emission source.

Disturbing Cultural or Biological Resources

The MFC-752 is potentially eligible for nomination to the National Register of Historic Places. Removal and/or changes of original features could adversely impact this historic property.

Generating and Managing Waste

Project activities would generate industrial waste.

Releasing Contaminants

Although not anticipated, chemical use has a potential for spills.

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. 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)).

References: 10 CFR 1021, Appendix B, B2.2 "Building and equipment instrumentation"

Justification: Project activities are consistent with 10 CFR 1021, Appendix B, B2.2 "Installation of, or improvements to, building and equipment instrumentation (including, but not limited to, remote control panels, remote monitoring capability, alarm and surveillance systems, control systems to provide automatic shutdown, fire detection and protection systems, water consumption monitors and flow control systems, announcement and emergency warning systems, criticality and radiation monitors and alarms, and safeguards and security equipment)."

Is the project funded by the American Recovery and Reinvestment Act of 2009 (Recovery Act) Yes No

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Approved by Jason Sturm, DOE-ID NEPA Compliance Officer on: 2/15/2017