

DOE-ID NEPA CX DETERMINATION
Idaho National Laboratory

SECTION A. Project Title: Central Facilities Area (CFA)-696 Compressed Air System Upgrade

SECTION B. Project Description and Purpose:

The compressed air system at the Central Facilities Area (CFA) Big Shop, building CFA-696, does not provide adequate air for facility needs. The proposed action would upgrade the compressed air system with a new electrical compressed air system. The scope consists of the proposed action includes the following:

- Remove old air piping, equipment and components
- Install new compressed air equipment and components and condensate piping
- Install new electrical circuits and components
- Test piping systems.

Projected Start Date: October 2016

Projected End Date: November 2016

Estimated Cost: \$114,000

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

The construction work may release small amounts of volatile compounds from adhesives and other construction materials.

Generating and Managing Waste

General non-hazardous construction debris such as air piping scrap, Resource Conservation and Recovery Act (RCRA) empty containers, packaging material, paper, etc., will be generated during the project. Hazardous waste generation is not anticipated, but could be generated in the case of a spill.

Releasing Contaminants

Typical construction chemicals such as lubricants, fuels, touch up paint, adhesives, etc., will be used during the project. Although unexpected, spills could occur from the use of chemicals.

Using, Reusing, and Conserving Natural Resources

Scrap metal from existing air piping and new piping/conduit will be sent to the facility scrap metal bins for recycle when appropriate.

SECTION D. Determine Recommended Level of Environmental Review, Identify Reference(s), and State Justification: Identify 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 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: National Environmental Policy Act (NEPA) Implementing Procedures, Final Rule, 10 CFR 1021, Appendix B to Subpart D, Categorical Exclusion B1.31 "Installation or relocation of machinery and equipment."

Justification: The proposed activities are consistent with CX B1.31 "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 building 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: 8/29/2016