



U.S. Department of Energy Categorical Exclusion Determination Form

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Proposed Action Title: Nuclear Facilities Risk Reduction (NFRR) (4457 Rev. 1)

Program or Field Office: Y-12 Site Office

Location(s) (City/County/State): Oak Ridge / Anderson County / Tennessee

Proposed Action Description:

The purpose of Nuclear Facilities Risk Reduction (NFRR) Project is to reduce the risk of failure of infrastructure utility systems, structures, and components (SSCs) in Y-12 facilities by implementing practical utility modifications determined prudent and necessary to ensure continued safe operations. Facilities impacted by completion of NFRR that are essential to performing Y-12 missions include Buildings 9212 and 9204-2E.

The proposed actions within NFRR Project can be divided into two main groups based on the buildings in which the activities will be performed, Building 9212 and Building 9204-2E. Much of the work identified includes replacement of systems that are beyond their service life and for which replacement parts are no longer available.

Categorical Exclusion(s) Applied:

- B1.3 - Routine maintenance
- B5.2 - Modifications to pumps and piping
- B5.4 - Repair or replacement of pipelines
- B1.31 - Installation or relocation of machinery and equipment
- B1.27 - Disconnection of utilities

For the complete DOE National Environmental Policy Act regulations regarding categorical exclusions, including the full text of each categorical exclusion, see Subpart D of [10 CFR Part 1021](#).

Regulatory Requirements in 10 CFR 1021.410(b): (See full text in regulation)

The proposal fits within a class of actions that is listed in Appendix A or B to 10 CFR Part 1021, Subpart D.

To fit within the classes of actions listed in 10 CFR Part 1021, Subpart D, Appendix B, a proposal must be one that would not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environment, 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 facilities (including incinerators), but the proposal may include categorically excluded waste storage, disposal, recovery, or treatment actions or facilities; (3) disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases; (4) have the potential to cause significant impacts on environmentally sensitive resources, including, but not limited to, those listed in paragraph B(4) of 10 CFR Part 1021, Subpart D, Appendix B; (5) involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, unless the proposed activity would be contained or confined in a manner designed and operated to prevent unauthorized release into the environment and conducted in accordance with applicable requirements, such as those listed in paragraph B(5) of 10 CFR Part 1021, Subpart D, Appendix B.

There are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal.

The proposal has not been segmented to meet the definition of a categorical exclusion. This proposal is not connected to other actions with potentially significant impacts (40 CFR 1508.25(a)(1)), is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1508.27(b)(7)), and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211 concerning limitations on actions during preparation of an environmental impact statement.

Based on my review of the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 451.1B), I have determined that the proposed action fits within the specified class(es) of action, the other regulatory requirements set forth above are met, and the proposed action is hereby categorically excluded from further NEPA review.

NEPA Compliance Officer: **Jack Zanger**

Digitally signed by Jack Zanger
DN: cn=us, o=U.S. Government, ou=Department of Energy, ou=Pantex
Plant, ou=NSA Site Office, serialNumber=jzanger, cn=Jack Zanger
Date: 2015.09.03 15:53:23 -0500

Date Determined: 09/03/2015