



Office of Environmental Management U.S. Department of Energy

Categorical Exclusion Determination Form

Proposed Action Title: Paducah Site: C-730-T01, C-727, and C-746-A Demolition

Program or Field Office: Portsmouth/Paducah Project Office

Location(s) (City/County/State): Kevil/McCracken/Kentucky

Proposed Action Description:

DOE plans to deactivate, demolish, and disposition ancillary structures at the Paducah Site that supported the former uranium enrichment facilities and are aging and/or deteriorated, and no longer needed. Deactivation and demolition of these structures will support DOE's current mission of deactivation of the former uranium enrichment facilities at the site. These three facilities are identified to be dispositioned in fiscal year 2024, with additional structures identified for demolition and disposition in future years. The structures include, but are not limited to: C-730-T01, C-727, and C-746-A.

These structures are considered to be ancillary facilities for general industrial support, such as office or storage facilities. C-727 and C-746-A were used as Resource Conservation and Recovery Act (RCRA) storage and treatment facilities, however, both facilities went through clean closure, and Kentucky and EPA granted no further action under the RCRA/Hazardous and Solid Waste Amendments (HSWA) permits. These structures do not include process facilities. Deactivation activities in preparation for demolition will include characterization, if needed, and removal of any potentially hazardous items that may be present, such as oils, asbestos, light bulbs, thermostats, and cleaning supplies. Materials that can be reused or recycled will be removed prior to or during demolition. Deactivation activities will also include disconnection of utilities by air gapping; rerouting of utilities as necessary to bypass the facility to be demolished and allow for continuation of existing plant operations; filling of sumps; and modification of existing security fencing, where required. The structures will be closed, decontaminated,

Categorical Exclusion(s) Applied:

B1.23 – Demolition and disposal of buildings

B1.28 – Placing a facility in an environmentally safe condition

B1.16 – Asbestos removal

B1.3 – Routine maintenance

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, 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: **William F. Ostrum**
Digitally signed by William F. Ostrum
Date: 2024.01.23 08:32:16 -05'00'

Date Determined: