



Office of Environmental Management U.S. Department of Energy

Categorical Exclusion Determination Form

Proposed Action Title: Transmission Structure and Line Replacement at Paducah Site
451.1a-074

Program or Field Office: Portsmouth/Paducah Project Office

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

Proposed Action Description:

A contractor will replace and maintain 2.4 miles of transmission towers and lines in the transmission corridor on the southeast area of the Paducah Site. The new transmission structures will then be constructed in the existing easement. As part of transmission structure replacement activities soil testing will be completed through the corridor to aid in transmission tower design.

The existing transmission lines are located in two separate corridors. Each corridor contains three circuits. All existing structures, conductor and hardware between the demarcation points will be removed and replaced.

The Project is a rebuild of six (6), 161 kV overhead transmission lines from the Gridliance Joppa 161 kV switchyard to the TVA Shawnee Station & LGE Grahamville 161 kV substations. This rebuild will not take place on the Illinois side, nor will it terminate at the Kentucky substations. All six circuits will begin at the first dead-end structures on the Kentucky side of the Ohio River crossing. Existing river crossing dead-end structures are to remain. Circuits 2, 3, and 4 will terminate at the line of demarcation near Ogden Landing Rd. Circuits 1, 804, and 854 will terminate at the line of demarcation near Dyke Rd.

Categorical Exclusion(s) Applied:

B4.10 – Removal of electric transmission facilities

B4.12 – Construction of powerlines

B4.13 – Upgrading and rebuilding existing powerlines

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: **CYNTHIA ZVONAR**
Digitally signed by CYNTHIA ZVONAR
Date: 2023.08.31 17:17:25 -04'00'

Date Determined: