Office of Environmental Management
U.S. Department of Energy

Categorical Exclusion Determination Form

Proposed Action Title: Site Characterization and Environmental Monitoring (Parcel B) at the Paducah Gaseous Diffusion Plant, Paducah. Kentucky, 451.1a-099

Program or Field Office: Portsmouth/Paducah Project Office (PPPO)

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

Proposed Action Description:

The U.S. Department of Energy (DOE) has executed a lease agreement with Brookfield Artificial Intelligence Infrastructure General Partner LLC to lease approximately 785 acres of real property (Parcel B) at the Paducah Gaseous Diffusion Plant (PGDP). Under the conditions of the lease, Brookfield Artificial Intelligence Infrastructure General Partner LLC will perform a Phase I Environmental Site Assessment (ESA), which will be conducted per the ASTM E1527-21 Standard for Phase I ESA. This assessment will comprise a records review and a non-intrusive on-site reconnaissance visit. If determined to be required by the Phase I ESA, Brookfield Artificial Intelligence Infrastructure General Partner LLC will then perform a Phase II ESA per ASTM E-1903-19, which may include the following media sampling activities: soil sampling, groundwater sampling, and soil vapor sampling.

Categorical Exclusion(s) Applied:

B3.1 – Site characterization and environmental monitoring

For the complete DOE National Environmental Policy Act regulations regarding categorical exclusions, including the full text of each categorical exclusion, see 10 CFR Part 1021.102: (see full text in regulation)

✔ The proposal fits within a class of actions that is listed in B to 10 CFR Part 1021.The classes of actions listed below include the following conditions as integral elements of the classes of actions. To fit within the classes of actions listed in 10 CFR Part 1021, 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, 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, Appendix B.

✔ There is no extraordinary circumstance related to the proposal that is likely to cause a reasonably foreseeable significant adverse effect or for which DOE does not know the environmental effect. Extraordinary circumstances are unique situations presented by specific proposals, including, but not limited to, scientific controversy about the environmental effects of the proposal; uncertain effects or effects involving unique or unknown risks; and unresolved conflicts concerning alternative uses of available resources.

✔ The proposal has not been segmented to meet the definition of a categorical exclusion. Segmentation can occur when a proposal is broken down into small parts in order to avoid the appearance of significance of the total action. However, segmentation does not include proposals that are developed and potentially implemented over multiple phases where each phase results in a decision whether to proceed to the subsequent phase.

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: RYAN CALLIHAN Digitally signed by RYAN CALLIHAN Date: 2026.11.02 08:50:20 -05'00'

Date Determined: