



# U.S. Department of Energy Office of Legacy Management Categorical Exclusion Determination Form



**Program or Field Office:** Office of Legacy Management

**Project Title and I.D. No.:** Routine Activities at the Piqua, Ohio, Decommissioned Reactor Site. LM # 49-11.

**Location:** Piqua, Ohio

**Proposed Action or Project Description:**

DOE proposes to conduct routine activities as needed at the Piqua site. The site is in southwestern Ohio, about 30 miles north of Dayton, in the city of Piqua, on the East Bank of the Great Miami River. DOE owns the site and has a long-term lease with the City of Piqua. Ownership is expected to revert to the City of Piqua once radioactive decay allows the facility to be released for unrestricted use.

Site inspections and radiological surveys are performed annually as part of the Long-Term Surveillance Plan in order to confirm the integrity of the visible features and the entombment of radioactive materials at the facility. In order to demonstrate that no radiological hazards are present, 103 locations are sampled and investigated for alpha and beta-gamma activity. Gamma exposure rates are also measured.

Routine maintenance activities may be identified during the annual site inspection or periodically throughout the year. Those activities may include facility infrastructure repairs, such as patching cracks, painting certain areas, or repairing the roof. The City of Piqua maintains the facility structures, the cathodic protection system, and the sump pump system.

Maintenance activities or site visits may result in incidental amounts of solid waste (e.g., materials that have been replaced, packaging). Solid waste would be managed in accordance with applicable waste requirements and recycled whenever possible. All activities would be conducted in accordance with applicable requirements and best management practices.

Only negligible environmental concerns were identified during the evaluation of these actions, and all actions were found to be categorically excluded from further evaluation under the National Environmental Policy Act.

**Categorical Exclusion(s) Applied:**

B1.3: Routine maintenance activities

B3.1: Site characterization and environmental monitoring (pertaining to radiological surveys)

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.

*Leacy A. Ribeiro*  
**NEPA Compliance Officer:**

*18 Jan 2012*  
**Date Determined:**