



U.S. Department of Energy

Categorical Exclusion Determination Form

Proposed Action Title:

Program or Field Office:

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

Proposed Action Description:

Categorical Exclusion(s) Applied:

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:

Date Determined:

Attachment A: Projects in the Rapid Encapsulation of Pipelines Avoiding Intensive Replacement (REPAIR) (FOA No. DE-FOA-0002289) Program

Prime Recipient (Control No.)	Project Title	Categorical Exclusion
OAK RIDGE NATIONAL LABORATORY (2289-1503)	Structural Materials-aided Advanced Renewal Technology for REPAIR (SMART REPAIR)	B3.6, B3.15
UNIVERSITY OF COLORADO BOULDER (2289-1505)	Testing and Analysis of Pipeline Encapsulation Technologies	B3.6
GENERAL ELECTRIC COMPANY, GE RESEARCH (2289-1506)	PipeLine Underground Trenchless Overhaul (PLUTO)	B3.6
UNIVERSITY OF MARYLAND: COLLEGE PARK (2289-1515)	Pipe-in-Pipe by Rapid, Continuous, Smart Alloy Coating	B3.6
AUTONOMIC MATERIALS, INC. (2289-1517)	Autonomous Rehabilitation and Maintenance of Natural Gas Pipes	B3.6
CARNEGIE MELLON UNIVERSITY (2289-1522)	Confined Space Mapping Module for In-Pipe Repair Robots	A9; B3.6
UNIVERSITY OF PITTSBURGH (2289-1524)	Rapid Encapsulation of Pipelines Avoiding Intensive Replacement (REPAIR)	B3.6
UNIVERSITY OF DELAWARE (2289-1528)	TuFF internal WRAP for Rapid Pipeline Repair (TuFF iWRAP)	B3.6
WHITE RIVER TECHNOLOGIES, INC. (2289-1534)	New and innovative 3D mapping technology to enable rehabilitation of natural gas pipe infrastructure	B3.6
ULC ROBOTICS, INC. (2289-1537)	Cold Spray Additive Manufacturing for New Pipeline Fabrication in Live, Natural Gas Distribution Mains	B3.6