



**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.: Conduct Testing of an Autonomous Truck on Roads at Rocky Flats Site, Colorado (LM 27-17)

Location: Rocky Flats Site, Colorado

Proposed Action or Project Description:

The U.S. Department of Energy (DOE) proposes to allow the Colorado Department of Transportation (CDOT), through a temporary lease agreement, to engage in testing the maneuverability and following ability of an autonomous vehicle and control by a maintenance crew on existing DOE-controlled roads with no public access at the Rocky Flats Site, Colorado. Proposed activities involve the autonomous truck, two to three additional CDOT vehicles, several engineers responsible for the sensing and communications equipment on the autonomous vehicle, and a CDOT maintenance crew to operate the test vehicle and associated manned vehicles. All proposed testing activities would occur on previously disturbed areas (i.e., existing unpaved roads). Activities are scheduled to begin in July 2017 and be completed within 2 weeks.

This Categorical Exclusion Evaluation (LM 27-17) evaluates the potential impacts of the autonomous truck testing. Environmental considerations include air emissions or air quality, noise, exposure or impacts to public or workers, regulated quantities of petroleum used or stored onsite, Endangered Species Act consultation, and present cultural or archaeological resources. Disclosed environmental effects were found to be minor. Best management practices would be applied to further minimize potential negative environmental effects.

Categorical Exclusion(s) Applied:

- B1.24 Property transfers
- B3.11 Outdoor tests and experiments on materials and equipment components

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 Title 10 *Code of Federal Regulations* Section 1021.410(b) (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.

JChavez

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2017.07.10 09:47:33 -06'00'

NEPA Compliance Officer:

Date Determined: