



U.S. Department of Energy Categorical Exclusion Determination Form

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Proposed Action Title: Storm Water Control Measures at Individual Permit Site, TAs-36 and -68

Program or Field Office: Los Alamos Field Office (DOE/NNSA)

Location(s) (City/County/State): Los Alamos, NM

Proposed Action Description:

The purpose of this project is to address storm water mitigation for the area within the Site Monitoring Area (SMA) F-SMA-2, which contains AOCs 36-004(c) and C-00-015 and SWMU 36-005. The planned work will be conducted within AOC C-00-015, which occupies the Fence Canyon drainage. Storm water controls would be designed and installed to meet the requirements of National Pollutant Discharge Elimination System (NPDES) Permit No. NM0030759, commonly referred to as the LANL Individual Storm Water Permit (IP). The storm water control measures would prevent the movement of contaminants from potential release sites by controlling storm water flows. The project will consist of maximizing sediment control and retention volume by installing a permanent engineered V-shaped, flat bottomed sedimentation collection basin. The bottom of the "V" forms the inlet location and wing trenches follow the topography to create narrow and long basins, each having an outlet near the top of the "V". Concrete protection, using a combination of Jersey barriers, will be installed at the head and outlets of each wing. Storm water will be directed into the inlet, and sediment will drop from the flowing water due to the nearly flat slope of the basin and flow will travel less than 150 feet. The water will exit from the ends of the wings via an outlet spillway having a bottom constructed 6-inches to 1-foot lower than the top of the berm. This will create a basin capable of retaining a 3-foot water depth. A second basin will be created by constructing a cross channel containment berm further downstream, before release into Fence Canyon. An infiltration system will be installed underground to convey retained water laterally into adjacent soils to avoid retaining water in the basins for overly long periods of time. The total anticipated area of disturbance for the proposed project is 15.31 acres. The project is not located within a 100-year floodplain, biological resources of concern are nesting areas during the peak nesting season, and cultural resources near the project site have been marked. Mitigation actions will be applied to address earth moving operations, biological and cultural resources. See LAN-13-004 for more information.

Categorical Exclusion(s) Applied:

B6.1 - Cleanup actions

B1.33 - Stormwater runoff control

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: May 21, 2013