U.S. Department of Energy
Categorical Exclusion Determination Form

Submit by E-mail

Proposed Action Title: Gas Lab Replacement

Program or Field Office: NNSA Production Office (Pantex)

Location(s) (City/County/State): Amarillo, Carson, Texas

Proposed Action Description:

The purpose of this proposed project would be to construct a new Gas Analysis Laboratory, which would replace the existing mission support Gas Lab located in Building 12-21. No new laboratory processes or new laboratory operations would be involved in the new Gas Laboratory. The demolition of the existing Gas Lab (Building 12-21) is not in this project's scope of work and would be addressed in a separate NEPA document. The new lab would be located in the Zone 12 Material Access Area (MAA) consisting of approximately 11, 000 square feet (sq. ft.). The new facility would be designed for a 40-year service life. The new facility would be approximately 11,000 sq. ft. and include a Gas Chromatograph (GC) Room, Gas Cylinder Storage area, a Mass Spectrometer Room, Component Operations and a Leak Check area, an office space with a breakroom, restrooms, and storage. The building footprint, including the expansion, would occupy approximately 0.27 acre of the total 1-acre site. A new site feature may include an access drive and parking area. Work would include minor demolition of the existing access road to facilitate a tie-in of the proposed access drive. Two parking spaces would be provided near the mechanical room for one personnel van and a maintenance truck that may be required to service equipment in the electrical and mechanical rooms.

The new facility would connect to the west side of Building 12-99 via a new ramp. Partial building demolition of Building 12-99 would be required to construct and connect the proposed ramp. Building demolition would generally be limited to a single structural bay and primarily include the exterior wall of the existing structure. The contractor would backfill all excavations to match the existing grade.

Categorical Exclusion(s) Applied:

B1.15 - Support buildings

B1.23 - Demolition and disposal of buildings

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: Jack Zanger

Digitally signed by Jack Zanger
DN: c=US, o=U.S. Government, ou=Department of Energy, ou=Y-12 National Security Complex, ou=CAs, ou=Pantex People, cn=Jack Zanger
Date: 2018.12.27 09:41:58 -06'00'

Date Determined: 12/27/2018

(This form will be locked for editing upon signature)