



# U.S. Department of Energy Categorical Exclusion Determination Form

Proposed Action Title: Environmental, Safety, Health and Quality Building Project – TJSO-SC-15-01

Program or Field Office: Thomas Jefferson Site Office

Location(s) (City/County/State): Newport News, VA

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Proposed Action Description:

This project involves the demolition of three existing buildings located in the central portion of the Thomas Jefferson National Accelerator Facility (TJNAF) and the subsequent construction of a new one story building in the same location. The goal of this project is to provide a new office building and consolidate the work spaces for three departments within the Environmental, Safety, Health, and Quality (ESH&Q) Division of the Jefferson Science Associates. ESH&Q staff is currently located in various office buildings and trailers throughout the TJNAF.

The entire project would be located within the TJNAF on Department of Energy (DOE) property. The new building is being designed for high performance energy sustainability that includes LED and natural lighting for the interior areas of the building, along with a high efficiency heating and cooling system. Space will also be allocated for a future stormwater collection tank for rainwater harvesting.

There would be minor impacts to the environment during construction operations. Three existing structures will be demolished, land will be cleared/graded, and a new one story, steel framed building will be constructed. Existing paved roads are present and would serve as construction access routes. Shallow trench excavation is anticipated for the removal and installation of underground utilities. The proposed area of disturbance includes previously cleared land and partially cleared land located to the north of the Continuous Electron Beam Accelerator Facility (CEBAF). The total land disturbance would be approximately 41,650-square feet (sf).

The project would require authorization under an approved project specific Erosion and Sediment Control (E&SC) Plan per the requirements of the Virginia E&SC Laws (62.1-44.15:51 through 62.1-44.15:66) and Regulations (VAC25-840-10 through 9VAC25-840-110). All Best Management Practices (BMPs) to be utilized would be addressed in the project specific E&SC Plan. All applicable erosion and sediment controls would be installed prior to any land disturbance and maintained per the standards and specifications described in Chapter 3 of the *Virginia Erosion and Sediment Control Handbook*. Therefore, no negative impacts from any erosion or sedimentation to downstream storm channels are anticipated during construction.

Low levels of non-friable Asbestos Containing Materials (ACM) were identified in building materials of two buildings to be demolished for the project. A licensed asbestos abatement contractor will be utilized for proper removal and disposal of all ACM per applicable regulatory requirements to prevent impacts to the environment during demolition operations.

Cultural Resources and Historic Preservation was addressed through coordination with the Virginia Department of Historic Resources (VADHR) as referenced in DOE/EA-1384 (*Proposed Improvements at the Thomas Jefferson National Accelerator Facility*). DOE was advised by the VADHR that their archives indicated no recorded architectural or archaeological within or adjacent to the property and no adverse impacts to archaeological and historic resources would be expected from improvements at the TJNAF.

The proposed action would not impact any threatened/endangered species or protected habitat, wetlands or waters of the U.S., or cultural/historical resources. The proposed action would not be part of an ongoing Environmental Assessment or Environmental Impact Statement. The proposed action would not be related to any extraordinary circumstances or other actions with potentially significant impacts.

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Categorical Exclusion(s) Applied:

B1.15 - Support buildings

B1.16 – Asbestos Removal

B1.23 - Demolition and disposal of buildings

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.

The above description accurately describes the proposed action, which reflects the requirements of the CX cited above. Therefore, I recommend that the proposed action be categorically excluded from further NEPA review and documentation.

Program Point of Contact: Patricia Hunt

*Patricia Hunt*

Date Determined:

*6-11-15*

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: James Lewis Elmore

*James T. Elmore*

Date Determined:

*6/11/15*