



**Department of Energy**  
Thomas Jefferson Site Office  
12000 Jefferson Avenue, Suite 14  
Newport News, Virginia 23606

May 29, 2009

Ms. Mary Logue  
Associate Director for ESH&Q  
Thomas Jefferson National Accelerator Facility  
12000 Jefferson Avenue  
Newport News, VA 23606

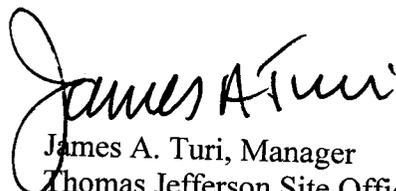
Dear Ms. Logue:

**NEPA CATEGORICAL EXCLUSION (CX) FOR ELECTRICAL SUBSTATION  
MODERNIZATION**

The NEPA Compliance Officer for the Thomas Jefferson National Accelerator Facility has determined the proposed effort to replace the existing 7,500 kVA substation with a new 15,000 to 22,000 kVA substation to be categorically excluded from further National Environmental Policy Act (NEPA) review. Categorical Exclusion (CX) B4.11 is applicable for the project. CX B4.11 excludes construction of electric power substations (including switching stations and support facilities) with power delivery at 230 kV or below, or modification (other than voltage increases) of existing substations and support facilities.

For this CX application (enclosed), no expiration date will be issued. Instead, the NEPA Compliance Officer will require a review every 5 years. If there is a change in the CX, please contact the Site Office for further action.

Sincerely,

  
James A. Turi, Manager  
Thomas Jefferson Site Office

Enclosure

cc w/enclosure:  
G. Hartman, SC-ORO  
L. Even, TJNAF

United States Government

Department of Energy

Thomas Jefferson Site Office

# memorandum

DATE: May 20, 2009

REPLY TO  
ATTN OF: SC-TJSO:Hunt

SUBJECT: CATEGORICAL EXCLUSION: ELECTRICAL SUBSTATION MODERNIZATION  
(TJSO-SC-09-01)

TO: Gary S. Hartman, NEPA Compliance Officer, Integrated Support Center, Oak Ridge Office

## Description of Proposed Effort:

The project includes replacing the existing 7,500 kVA substation at the Thomas Jefferson National Accelerator Facility (TJNAF) with a new 15,000 to 22,000 kVA substation, including new secondary feeders, ductbank, manholes, and switchgear to more efficiently distribute the existing medium voltage (15 kV) electrical power.

## Number and Title of the Categorical Exclusion (CX) to be Applied:

B4.11: Construction of electric power substations (including switching stations and support facilities) with power delivery at 230 kV or below, or modification (other than voltage increases) of existing substations and support facilities.

## Regulatory Requirements in 10 CFR 1021.410(b):

TJNAF believes there are no extraordinary circumstances related to the project that may affect the significance of the environmental effects of the project. The project is not connected to other actions with potentially significant impacts, is not related to other proposed actions with cumulatively significant impacts, and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211.

TJNAF believes the project will not threaten to violate the applicable ES&H regulatory requirements; will not require siting construction or major expansion of waste storage, disposal, recovery, or treatment facilities; will not distribute hazardous materials that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; and will not adversely affect environmentally sensitive resources.

**Determination:**

- The above description accurately describes the proposed action.
- The proposed action fits within the class of actions that is listed in appendix B of 10 CFR 1021, Subpart ~~C~~. **D**
- There are no extraordinary circumstances related to the proposed action that may affect the significance of the environmental effects of the proposed action (10CFR 1021.410(b)(2)).
- The proposed action is not "connected" to other actions with potential significant impacts, is not related to other proposed actions with cumulatively significant impacts, and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211.

Therefore, I recommend that the proposed action be categorically excluded from further NEPA review and documentation.

*Patty A. Hunt*

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Patty A. Hunt  
DOE-TJSO NEPA Document Manager

*5-20-09*

\_\_\_\_\_  
Date

Based on my review and the recommendation of the DOE-TJSO reviewer, I have determined that the proposed action is categorically excluded from further NEPA review and documentation.

*Gary S. Hartman*

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Gary S. Hartman  
DOE NEPA Compliance Officer

*5/21/2009*

\_\_\_\_\_  
Date