

July 30, 2009

Mr. James A. Turi, Manager  
Thomas Jefferson Site Office  
12000 Jefferson Avenue, Suite 14  
Newport News, VA 23606

**Subject:** NOTICE OF APPLICATION OF CATEGORICAL EXCLUSIONS TJNAF-014-00 (NEPA CX B1.13) and CX-GEN-011 (NEPA CXs B1.27, B1.3, B2.1, B2.2, and B2.3) TO THE SOUTH CONNECTOR ROAD AND CENTRAL MATERIAL STORAGE AREA PROJECTS

**Reference:** CXA-2009-006

Dear Mr. Turi:

The South Connector Road and Central Material Storage Area Projects have been reviewed together to determine compliance with the National Environmental Policy Act (NEPA). The existing NEPA Categorical Exclusions (CX) B1.13 and B1.3 have been applied to these projects. A copy of the record of this action is enclosed.

Patty Hunt of your staff has been involved in discussions related to this NEPA activity, and the review has been completed in accordance with the Office of Science Management System NEPA Procedure 4, *Implementing Generic Exclusion Requirements*. Please contact me or Bill Rainey at extension 7898 if you have any questions.

Sincerely,



Mary K. Logue  
Associate Director, ESH&Q

Cc:  
R. May  
L. Even  
W. Rainey  
R. Sprouse  
P. Hunt, TJSO

NOTICE OF APPLICATION

OF CATEGORICAL EXCLUSIONS TJNAF-014-00 and CX-GEN-011

TO THE SOUTH CONNECTOR ROAD AND CENTRAL MATERIAL STORAGE AREA  
PROJECTS

(REFERENCE NEPA CXs B1.13 and B1.3)

Description of Proposed Effort:

The proposed South Connector Road (SCR) project shall reconfigure the main Lab access road by connecting Lawrence Drive to the traffic circle in front of CEBAF Center.

The proposed 5 acre Central Material Storage Area (CMSA) will be constructed to serve as a restricted area that will contain relocated rubbish and recycling dumpsters, chemical storage building, hazardous waste central accumulation area, and various equipment. Utilities include site lighting of the area. There shall be two lane traffic from Hadron Drive to the storage area.

These projects will disturb approximately 5.5 acres, and both projects will require tree and brush clearing and grubbing and excavation. Both projects include stockpiling and disposal of earth, parking lot and road paving, placement of gravel, and grading and seeding of any disturbed areas.

Impacts to the Environment

There will be minor to moderate temporary impacts to the environment during construction of both projects and minor impacts during use. No negative impacts from flow or from sediments to the downstream regional retention pond for the SCR project will occur. No negative impacts from flow or from sediments to the applicable storm channels for the CMSA project will occur.

Number and Title of the Applicable Categorical Exclusion

TJNAF-014-00 (NEPA CX B1.13)

Construction, acquisition, and relocation of onsite pathways and short onsite access roads and railroads

CX-GEN-011 (NEPA CX B1.3)

*B1.27, B2.1, B2.2 and B2.3 are not Applicable*

Routine maintenance activities and custodial services for buildings, structures, rights-of-way, infrastructures (e.g., pathways, roads, and railroads), vehicles and equipment, and localized vegetation and pest control, during which operations may be suspended and resumed. Custodial services are activities to preserve facility appearance, working conditions, and sanitation, such as cleaning, window washing, lawn mowing, trash collection, painting, and snow removal. Routine

maintenance activities, corrective (that is, repair), preventive, and predictive, are required to maintain and preserve buildings, structures, infrastructures, and equipment in a condition suitable for a facility to be used for its designated purpose. Routine maintenance may result in replacement to the extent that replacement is in kind and is not a substantial upgrade or improvement. In kind replacement includes installation of new components to replace outmoded components if the replacement does not result in a significant change in the expected useful life, design capacity, or function of the facility. Routine maintenance does not include replacement of a major component that significantly extends the originally intended useful life of a facility (for example, it does not include the replacement of a reactor vessel near the end of its useful life).

Routine maintenance activities include, but are not limited to:

- (a) Repair of facility equipment, such as lathes, mills, pumps, and presses;
- (b) Door and window repair or replacement;
- (c) Wall, ceiling, or floor repair;
- (d) Reroofing;
- (e) Plumbing, electrical utility, and telephone service repair;
- (f) Routine replacement of high-efficiency particulate air filters;
- (g) Inspection and/or treatment of currently installed utility poles;
- (h) Repair of road embankments;
- (i) Repair or replacement of fire protection sprinkler systems;
- (j) Road and parking area resurfacing, including construction of temporary access to facilitate resurfacing;
- (k) Erosion control and soil stabilization measures (such as reseeded and revegetation);
- (l) Surveillance and maintenance of surplus facilities in accordance with DOE Order 5820.2, "Radioactive Waste Management";
- (m) Repair and maintenance of transmission facilities, including replacement of conductors of the same nominal voltage, poles, circuit breakers, transformers, capacitors, crossarms, insulators, and downed transmission lines, in accordance, where appropriate, with 40 CFR part 761 Polychlorinated Biphenyls Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions);
- (n) Routine testing and calibration of facility components, subsystems, or portable equipment (including but not limited to, control valves, in-core monitoring devices, transformers, capacitors, monitoring wells, lysimeters, weather stations, and flumes); and (o) Routine decontamination of the surfaces of equipment, rooms, hot cells, or other interior surfaces of buildings (by such activities as wiping with rags, using strippable latex, and minor vacuuming), including removal of contaminated intact equipment and other materials (other than spent nuclear fuel or special nuclear material in nuclear reactors).

*TJNAF-014-00 (B1.13) – original determination date May 11, 2000*

*GX-GEN-011 (B1.3) – original determination date Oct. 7, 1997*

Number and Title of Applicable Environmental Assessments

DOE/EA-1384, Proposed Improvements at the Thomas Jefferson National Accelerator Facility, Newport News, Virginia, November 1997

DOE EA-1534, Proposed Upgrade and Operation of the CEBAF and FEL Accelerators and Construction and Use of Buildings Associated with the 2005 Ten-Year Site Plan at the Thomas Jefferson National Accelerator Facility Newport News, Virginia January 2007

*Debra J. Brand*

*7/30/09*

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Debra Brand, SCR Project Representative

Date

*Ed Winslow*

*7/30/09*

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Ed Winslow, CMSA Project Representative

Date

*Mary Logue*

*7/30/09*

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M. Logue, ESH&Q Associate Director

Date