

July 16, 2007

Mr. Michael J. Mosley, Project Engineer  
Transportation Coordinator  
Site and Transportation Services  
NAC International  
3930 East Jones Bridge Road  
Norcross, GA 30092

SUBJECT: APPROVAL OF HIGHWAY ROUTE TO TRANSPORT SPENT NUCLEAR FUEL  
FROM MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE,  
MASSACHUSETTS, TO DOE'S SAVANNAH RIVER SITE, AIKEN, SOUTH  
CAROLINA (NRC ROUTE NO. 217)

Dear Mr. Mosley:

On behalf of the U.S. Nuclear Regulatory Commission (NRC), I am responding to your letter of May 3, 2007, which requested the NRC approve a route for transporting spent nuclear fuel (SNF) from Massachusetts Institute of Technology, Cambridge, Massachusetts, to DOE's Savannah River Site, Aiken, South Carolina (NRC Route No. 217).

The NRC has reviewed your application and concluded that the information satisfies the requirements of 10 CFR 73.37. Specific details of Route No. 217 are enclosed [Enclosure 1]. Specific details of Route No. 217 combined with additional Safeguards Information (SGI) are also enclosed [Enclosure 2]. Enclosure 2 will not be released to the public and you should protect it in accordance with the requirements of 10 CFR 73.21. Approval of Route No. 217 will expire July 31, 2012. The NRC expects your periodic review and update of the emergency phone numbers associated with this route. Changes to emergency contact numbers do not qualify as a route deviation or change.

The NRC issued Additional Security Measures (ASMs) for the transportation of SNF on October 3, 2002, for NRC licensees who ship greater than 100 grams of SNF. Licensees are required to comply with the requirements of 10 CFR 73.37 and these ASMs when shipping SNF. Licensees are also required to comply with U.S. Departments of Transportation and Homeland Security regulations on the shipment of hazardous materials.

In addition, the NRC also issued Regulatory Issue Summary (RIS) 2002-12I, Rev. 1, on October 3, 2002, "Transportation of Spent Nuclear Fuel Greater than 100 Grams - NRC Threat Advisory and Protective Measures System." The RIS advised licensees to consider various recommendations to be taken in conjunction with changes to the national or transportation-sector threat levels, when shipping spent nuclear fuel.

WARNING: Violation of Section 147 of  
the Atomic Energy Act, "Safeguards  
Information" is subject to Civil and  
Criminal Penalties

When separated from Enclosure 2  
this document is DECONTROLLED

If you are requested by State officials to deviate from a portion of the approved route (due to highway construction activities or other exigent conditions), please provide details of the deviation to Ms. Adelaide Giantelli, as soon as possible. If you have questions on this route approval or require additional information please contact Ms. Giantelli at (301) 415-3521 or via e-mail at [ASG2@nrc.gov](mailto:ASG2@nrc.gov) for non-SGI information or via secure e-mail at [SHB@nrc.sgov.gov](mailto:SHB@nrc.sgov.gov).

Sincerely,

/RA/

Robert K. Caldwell, Chief  
Fuel Cycle and Transportation Security Branch  
Division of Security Policy  
Office of Nuclear Security and Incident Response

Docket No. 07003020

Enclosures:

1. Route No. 217 - Mileage Summary
2. Route No. 217 - Detailed Highway Route Plan (SGI)

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DISTRIBUTION: (07003020) (TAC No. D91893)  
w/enclosures 1 and 2:

DOCKET Case File MMiller, RGN-I OSmith, RGN-II

w/o Enclosure 2

RidsOgc RidsNsirDspFcts RidsNsirDSP RidsRGN-I  
NJensen, OGC EPoteat, OCIO RidsRGN-II

ADAMS Package Accession # ML071990265

ADAMS Document Accession # Ltr.: ML071990247, Enclosure 1: ML071990272

Enclosure 2 is SGI and is not entered into ADAMS

<b>OFC</b>	FCTSB		FCTSB		FCTSB	
<b>NAME</b>	GBennington		AGiantelli		RKCaldwell	
<b>DATE</b>	07/13/07		07/16/07		07/16/07	

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Mailing Labels

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