

## SAFEGUARDS INFORMATION

August 12, 2008

Mr. Michael J. Mosley  
Secured Transportation Services  
460 Silverberry Lane  
Sugar Hill, GA 30518

SUBJECT: APPROVAL OF HIGHWAY ROUTE TO TRANSPORT SPENT NUCLEAR FUEL FROM MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASSACHUSETTS, TO 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 15, 2008, which requested the NRC approve a route for transporting spent nuclear fuel (SNF) from Massachusetts Institute of Technology, Cambridge, Massachusetts, to the 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 Title 10 of the *Code of Federal Regulations* (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 August 31, 2013. 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.

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M. Mosley

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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.

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.: 07007011

Enclosures:

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

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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)

DISTRIBUTION: (07007011) (TAC No. D91963)  
w/enclosures 1 and 2:

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

w/o Enclosure 2

RidsOgc RidsNsirDspFcts RidsNsirDSP RidsRGN-I  
NJensen, OGC WBlaney, OCFO RidsRGN-II

ADAMS Package Accession # ML082260409  
ADAMS Document Accession # ML082250591  
Enclosure 2 is SGI and is not entered into ADAMS

OFFICE	DSP/FCTSB	DSP/FCTSB	BC: DSP/FCTSB
NAME	G. Bennington	A. Giantelli	R. Caldwell
DATE	08/11/08	08/12/08	08/12/08

**OFFICIAL RECORD COPY**

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Mailing Labels

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SUGAR HILL, GA 30518

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OUTSIDE ADDRESS

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475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406

INSIDE ADDRESS

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475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406

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**ATTN: OTIS. SMITH**  
P.O. BOX 2257  
ATLANTA, GA 30301

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