

June 3, 2005

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

SUBJECT: REVALIDATION OF RAIL ROUTE TO TRANSPORT SPENT NUCLEAR FUEL  
FROM CHARLESTON, SC, TO AIKEN, SC (NRC ROUTE NO. 185)

Dear Mr. Mosley:

On behalf of the U. S. Nuclear Regulatory Commission (NRC), I am responding to your submittal of May 19, 2005, which requested the NRC renew a rail route for transporting spent nuclear fuel (SNF) from the Naval Weapons Station, Charleston, South Carolina, to the U. S. DOE Savannah River Site, Aiken, South Carolina (NRC Route No. 185).

The NRC has reviewed NAC International's submittal and concluded that the information satisfies the requirements of 10 CFR 73.37. Specific details of Route No. 185 are enclosed [Enclosure 1]. Specific details of Route No. 185 combined with additional information 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 2.390. Approval of Route No. 185 will expire two years from the date of this letter.

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 shipping SNF to consider various recommendations to be taken in conjunction with changes to the national or transportation-sector threat levels.

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

M. Mosley

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If you have questions on this rail route approval or require additional information please contact Ms. Gloria Bennington at (301) 415-8183 or via e-mail at [GMB@nrc.gov](mailto:GMB@nrc.gov); or Ms. Kelly Riner at (301) 415-6623 or via e-mail at [PKR@nrc.gov](mailto:PKR@nrc.gov).

Sincerely,

**/RA/**

Joseph W. Shea, Project Director  
Nuclear Security Policy Project Directorate  
Division of Nuclear Security  
Office of Nuclear Security  
and Incident Response

Docket No. 70-3020

Enclosures:

1. Route No. 185 - Rail Transportation Route
2. Route No. 185 - Spent Nuclear Fuel Rail Route

M. Mosley

- 2 -

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Sincerely,

**/RA/**

Joseph W. Shea, Project Director  
 Nuclear Security Policy Project Directorate  
 Division of Nuclear Security  
 Office of Nuclear Security  
 and Incident Response

Docket No. 70-3020

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1. Route No. 185 - Rail Transportation Route
2. Route No. 185 - Spent Nuclear Fuel Rail Route

DISTRIBUTION: (07003020I60R) (TAC # D91733)

w/enclosures 1 and 2:

DOCKET Case File 70-3020 OSmith, R-II

w/o Enclosure 2

RidsOgc RidsNsirDnsMtwS RidsNsirDNS RidsNsirPmda1  
 NJensen, OGC EPoteat, OCIO NsirDnsMtwSRF

ADAMS Package Accession # ML  
 ADAMS Document Accession # ML  
 Enclosure 2 is SGI and is not entered into ADAMS  
 g:dns staff\bennington\nacltr.185.wpd

\*See previous page for concurrences.

<b>OFC</b>	MTWS		MTWS		MTWS		MTWS		NSP-PD	
<b>NAME</b>	GBennington/gb*		RFoster*		PBrochman*		MLayton*		JShea *	
<b>DATE</b>	05/31/05		06 /01/05		06/02/05		06/03/05		6 / 03 /05	

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**C = COVER**

**E = COVER & ENCLOSURE**

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SPENT NUCLEAR FUEL RAIL ROUTE

NAVAL WEAPONS STATION  
CHARLESTON, SOUTH CAROLINA

TO

DOE SAVANNAH RIVER SITE  
AIKEN, SOUTH CAROLINA

JUNE 2005

RAIL TRANSPORTATION ROUTESOUTH CAROLINA

1.	Weapons Station to CSX (N. Rhet Av.)	10 miles
2.	N. Rhet Av. To Ashley Junction	2 miles
3.	Ashley Junction to Fairfax	85 miles
4.	Fairfax to Dunbarton	38 miles
5.	Dunbarton to Savannah River Site	<u>8 miles</u>
	TOTAL	143 miles