

## **SAFEGUARDS INFORMATION**

September 30, 2005

Das Kutikkad, PhD  
Assistant Reactor Manager - Physics  
University of Missouri Research Reactor  
Research Park  
Columbia, MO 65211

**SUBJECT: APPROVAL OF HIGHWAY ROUTE TO TRANSPORT SPENT NUCLEAR FUEL  
FROM COLUMBIA, MO, TO AIKEN, SC (NRC ROUTE NO. 182B)**

Dear Dr. Kutikkad:

On behalf of the U.S. Nuclear Regulatory Commission (NRC), I am responding to your submittal of June 22, 2005, which requested the NRC approve a change to route 182A for transporting spent nuclear fuel (SNF) from the University of Missouri, Columbia, Missouri, to the U.S. Department of Energy's Savannah River Site, Aiken, South Carolina (new NRC Route No. 182B).

The NRC has reviewed your submittal, including supplemented information, and concluded that the information satisfies the requirements of 10 CFR 73.37. Specific details of Route No. 182B are enclosed [Enclosure 1]. Specific details of Route No. 182B 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. 182B 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

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**~~SAFEGUARD INFORMATION~~**

D. Kutikkad

- 2 -

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 Mrs. Kelly Riner of my staff as soon as possible. If you have questions on this route approval or require additional information please contact Mrs. Riner at (301) 415-6623 or via e-mail at [PKR@nrc.gov](mailto:PKR@nrc.gov) for non-SGI information or via secure e-mail at [PKR @nrc.sgov.gov](mailto:PKR@nrc.sgov.gov).

Sincerely,

*/RA/*

Vonna L. Ordaz, Director  
Nuclear Security Policy Project Directorate  
Division of Nuclear Security  
Office of Nuclear Security and Incident Response

Docket No. 50-186

Enclosures: 1. Route No. 182B - Mileage Summary  
2. Route No. 182B - Detailed Highway Route Plan (U)

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DISTRIBUTION:

w/enclosures 1 and 2:

DOCKET Case File 50-186 KO'Brien, R-III OSmith, R-II'

w/o enclosure 2:

RidsOgc RidsNsirDnsMtwS RidsNsirDNS RidsNsirPmda1  
NJensen, OGC EPoteat, OCIO DHughes, NRR

ADAMS Package Accession # ML052730082  
ADAMS Document Accession # ML05273084  
Enclosure 2 is SGI and is not entered into ADAMS

Public  Non-Public  Sensitive  Non-Sensitive \*see previous concurrence

<b>OFC</b>	MTWS/DNS	MTWS/DNS	MTWS/DNS	SC:MTWS/DNS	PD:NSPPD/DNS
<b>NAME</b>	SBagley:jph*	RFoster*	PBrochman*	MLayton (GP)*	VOrdaz
<b>DATE</b>	09/29/05	09/29/05	09/29/05	09/30/05	09/30/05

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