

August 23, 2000

~~SAFEGUARDS INFORMATION~~

Mr. Thomas H. Newton, Jr.  
Reactor Engineer  
MIT Research Reactor  
Massachusetts Institute of Technology  
138 Albany Street  
Cambridge, MA 02139-4296

Dear Mr. Newton:

This is in regard to your request dated June 19, 2000, for renewal of your approval of a route to be used for transport of spent fuel from the Massachusetts Institute of Technology Research Reactor, Cambridge, Massachusetts, to the DOE Savannah River Site, Aiken, South Carolina.

The route, as set forth in Enclosure 1, meets the regulatory requirements of 10 CFR 73.37. Enclosure 2 constitutes approval for this route. Unless renewed, this route approval will expire two years from the date of this letter. Note that transportation of licensed radioactive material must be conducted in compliance with the applicable U.S. Department of Transportation regulations.

Arrangements with law enforcement agencies are required by 10 CFR 73.37(b)(6). Note that armed escorts are required for the urbanized areas of Boston, Massachusetts; Hartford and Waterbury, Connecticut; Harrisburg, Pennsylvania; Salem/Roanoke, Virginia; Charlotte, North Carolina; and Columbia, South Carolina. Information on law enforcement arrangements is provided in Enclosure 2, and is to be incorporated into your shipment plans and provided to your carrier along with instructions regarding its use. If your carrier deviates from the approved route, please provide details of the deviation to the contact listed below as soon as possible.

The notification requirements of 10 CFR 73.37(f) and 73.72 apply for each shipment. When making notification to this office under 10 CFR 73.72, please confirm that armed escort will be provided as required, and that the appropriate governors or designees will or have been notified.

Should you require additional information or have any questions concerning this matter, please contact Gloria M. Bennington of my staff at (301) 415-8524.

Sincerely,

Susan F. Shankman, Deputy Director  
Licensing and Inspection Directorate  
Spent Fuel Project Office  
Office of Nuclear Material Safety  
and Safeguards

Docket No. 50-20

Enclosures:

- 1. #166 Route Summary
- 2. #166 Detailed Route Plan -  
(Safeguards)

~~UPON REMOVAL OF ATTACHMENT THIS DOCUMENT IS:~~

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Enclosure 1 is unclassified

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w/enclosures:  
Docket File 05000020  
Case File 05000020150R  
Regions I, II  
PDR (Enclosure 1)

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(TAC-L23125)

OFC	SFPO	E	SFPO	N	SFPO	SFPO
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

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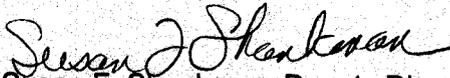
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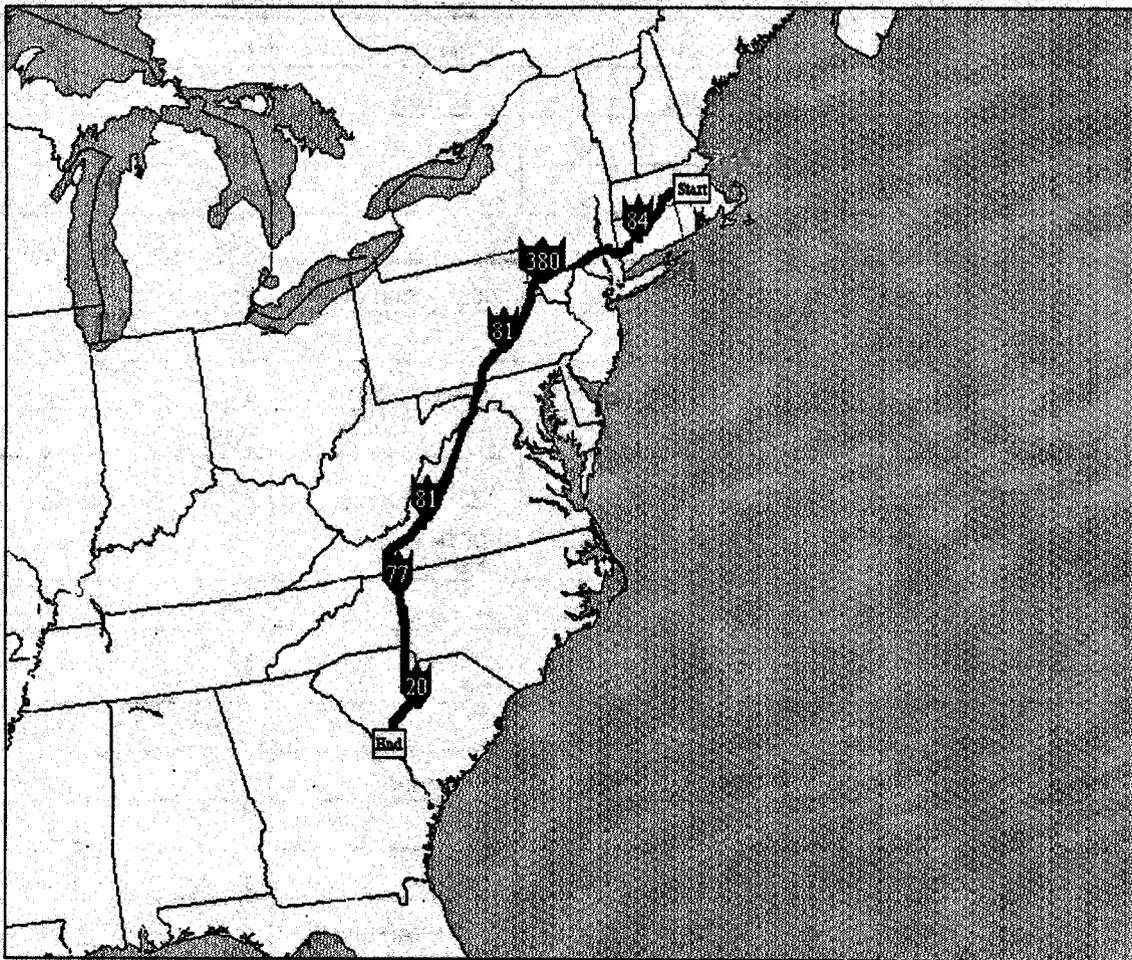
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SPENT FUEL PROJECT OFFICE  
NUCLEAR MATERIAL SAFETY AND SAFEGUARDS

AUGUST 2000

IRRADIATED REACTOR FUEL ROUTE SUMMARY  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MA  
TO DOE SAVANNAH RIVER SITE, SC ROUTE (166)



**ROUTE MILEAGE SUMMARY**  
**MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MA**  
**TO DOE SAVANNAH RIVER SITE, SC (166)**

STATE	WAYPOINT/INSTRUCTION	ROAD	DIR	TOWARDS	MILES TO NEXT WAYPOINT	CUMULATIVE MILES
MA	MIT SITE, ALBANY TO MASS. AVENUE	LOCAL ROADS	W	FRAMINGHAM	1.1	
MA	TAKE I-90	I-90	W	WORCESTER	54	1.1
MA	TURN ON I-84	I-84	W	CONNECTICUT LINE	7	55.1
MA	STATE MILEAGE SUBTOTAL				62.1	
CT	CONTINUE ON I-84	I-84	W	NEW YORK LINE	99	62.1
CT	STATE MILEAGE SUBTOTAL				99	
NY	STAY ON I-84	I-84	W	PENNSYLVANIA	71	161.1
NY	STATE MILEAGE SUBTOTAL				71	
PA	CONTINUE ON I-84	I-84	W	DUNMORE	51	232.1
PA	TAKE I-380	I-380	S	HAZLETON	24	283.1
PA	TURN ON I-80 WEST	I-80	W	HAZLETON	36	307.1
PA	GO SOUTH ON I-81	I-81	S	MARYLAND LINE	144	343.1
PA	STATE MILEAGE SUBTOTAL				255	
MD	CONTINUE ON I-81	I-81	S	WEST VIRGINIA LINE	12	487.1
MD	STATE MILEAGE SUBTOTAL				12	
WV	STAY ON I-81	I-81	S	VIRGINIA LINE	25	499.1
WV	STATE MILEAGE SUBTOTAL				25	
VA	STAY ON I-81	I-81	S	WYTHEVILLE	256	524.1
VA	TAKE I-77 SOUTH	I-77	S	NORTH CAROLINA LINE	32	780.1
VA	STATE MILEAGE SUBTOTAL				288	
NC	CONTINUE ON I-77	I-77	S	SOUTH CAROLINA LINE	106	812.1
NC	STATE MILEAGE SUBTOTAL				106	
SC	STAY ON I-77	I-77	S	COLUMBIA	73	918.1
SC	TURN ON I-20	I-20	W	AIKEN	54	991.1
SC	AT US-1 GO SOUTHWEST	US-1	SW	AIKEN	7	1045.1
SC	TAKE SC-19 TO FACILITY	SC-19	S	SAVANNAH RIVER SITE	13	1052.1
SC	STATE MILEAGE SUBTOTAL				147	
ROUTE TOTAL						1065.1