

RETURN TO 396-SS

PDR

70-3037



McMASTER UNIVERSITY
NUCLEAR REACTOR

October 15th, 1985

1280 Main Street, West
Hamilton, Ontario L8S 4K1
Telephone: (416) 525-9140
Telex: 061-8347

70-3037
07003037010R
52441

Mr. Charles R. Hillman,
Division of Safeguards,
Office of Nuclear Material Safety and Safeguards,
U.S. Nuclear Regulatory Commission,
WASHINGTON, D.C. 20555,
U.S.A.

Dear Mr. Hillman:

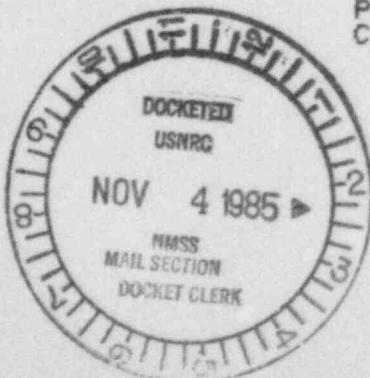
McMaster University would like to apply for approval of our proposed route (copy attached) for a spent fuel shipment from the Canadian border to Savannah River. The shipment is currently scheduled for early January, 1986. I have attached copies of both our proposed route (996 miles) and the suggested route supplied by you (1165 miles). Both routes have been discussed with Earl Routenkruger of Tri State Transit, who will be the carrier, and he has no objection to either route. The cask to be used is the Battelle BMI-1.

We have proposed the shorter route for two reasons; a) distance, and b) the possibility of weather problems in upper NY state. We realize that both routes have some areas to be surveyed. Our proposed route needs a survey of about 8 miles of I-190 from the border to I-90 (NY), and of about 77 miles of I-79 from I-80 to I-70 (PA) while your suggested route only needs the former. We trust, however, that there is sufficient time to approve our proposal, if not, we request the suggested route.

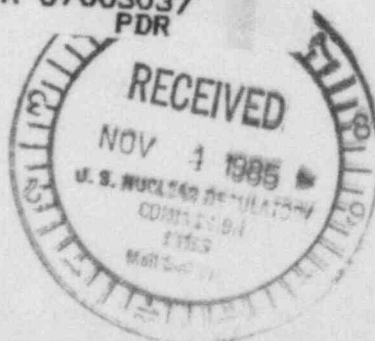
Either route involves seven states, and both require appropriate coordination with New York and Pennsylvania state authorities. Our proposal also requires an escort through Charleston, West Virginia. The suggested route requires an escort through Roanoke, Virginia.

The details of our proposed route in southeastern West Virginia and Virginia are intended to follow previously approved routes. Thus, if my summary description of the route from I-77 in West Virginia to I-81 in Virginia is in error, please correct it.

I trust that the above is in order. If further information is required please contact me. Since we propose to ship soon after Christmas, I would



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FEE EXEMPT
25983

DOCKET NO. 70-3037
CONTROL NO. 25983
DATE OF DOC. 10/15/85
DATE RCVD. 11/04/85
FCUF ☒ PDR ☒
FCAF ☐ LPDR ☐
WM ☐ I&E REF. ☒
WMUR ☐ SAFEGUARDS ☒
FCTC ☐ OTHER ☐

DESCRIPTION:

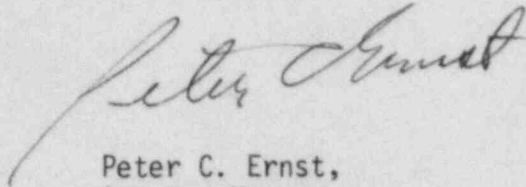
would like to
apply for approval
of their proposed
route for a
spent fuel shipment
11/05/85 INITIAL CEC

- 2 -

hope that the approval would reach me by the middle of December to allow plenty of time for state notifications, etc. during the holiday season.

Thank you again for your assistance thus far. Your help and advice are greatly appreciated.

Yours truly,

A handwritten signature in cursive script, appearing to read "Peter C. Ernst".

Peter C. Ernst,
Reactor Manager.

PCE/ec

Enclosure

PROPOSED ROUTE - McMaster Shipment

October 15, 1985

Cross border from Ft. Erie into the United States

NEW YORK

- | | | |
|---------------------------------|---------|----------|
| 1. I-190 south and east to I-90 | approx. | 8 miles |
| 2. I-90 west to Pennsylvania | | 70 miles |
| | | ---- |
| subtotal | | 78 miles |

PENNSYLVANIA

- | | | |
|-------------------------------|---------|-----------|
| 1. I-90 west to I-79 | | 27 miles |
| 2. I-79 south to I-70 | approx. | 137 miles |
| 3. I-70 west to West Virginia | | 15 miles |
| | | ---- |
| subtotal | | 179 miles |

WEST VIRGINIA

- | | | |
|----------------------|--|----------|
| 1. I-70 west to Ohio | | 15 miles |
|----------------------|--|----------|

OHIO

- | | | |
|--------------------------------|--|----------|
| 1. I-70 west to I-77 | | 46 miles |
| 2. I-77 south to West Virginia | | 49 miles |
| | | ---- |
| subtotal | | 95 miles |

WEST VIRGINIA

- | | | |
|----------------------------|--|-----------|
| 1. I-77 south to US-460 | | 182 miles |
| 2. US-460 east to Virginia | | 11 miles |
| | | ---- |
| subtotal | | 193 miles |

VIRGINIA

- | | | |
|---------------------------------|--|----------|
| 1. US-460 east to VA-100 | | 13 miles |
| 2. VA-100 south to I-81 | | 22 miles |
| 3. I-81 south to I-77 | | 14 miles |
| 4. I-77 south to North Carolina | | 33 miles |
| | | ---- |
| subtotal | | 82 miles |

NORTH CAROLINA

- | | | |
|---------------------------------|--|-----------|
| 1. I-77 south to I-40 | | 55 miles |
| 2. I-40 west to I-26 | | 107 miles |
| 3. I-26 south to South Carolina | | 42 miles |
| | | ---- |
| subtotal | | 204 miles |

SOUTH CAROLINA

- | | | |
|----------------------------|--|-----------|
| 1. I-26 south to SC-121 | | 74 miles |
| 2. SC-121 south to SC-19 | | 47 miles |
| 3. SC-19 south to Facility | | 29 miles |
| | | ---- |
| subtotal | | 150 miles |

GRAND TOTAL Approx. 996 miles

RECOMMENDED ROUTE

Cross bridge from Ft. Erie into the United States

NEW YORK

1. I-190 south and east to I-90	approx.	8 miles
2. I-90 east to I-481	approx.	155 miles
3. I-481 south to I-81		11 miles
4. I-81 south to Pennsylvania		<u>82 miles</u>
Subtotal	approx.	256 miles

PENNSYLVANIA

5. I-81 south to Maryland	232 miles
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MARYLAND

6. I-81 south to West Virginia	12 miles
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WEST VIRGINIA

7. I-81 south to Virginia	25 miles
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VIRGINIA

8. I-81 south to I-77	253 miles
9. I-77 south to North Carolina	<u>33 miles</u>
Subtotal	286 miles

NORTH CAROLINA

10. I-77 south to I-40	55 miles
11. I-40 west to I-26	107 miles
12. I-26 south to South Carolina	<u>42 miles</u>
Subtotal	204 miles

SOUTH CAROLINA

13. I-26 south to SC-121	74 miles
14. SC-121 south to SC-19	47 miles
15. SC-19 south to Facility	<u>29 miles</u>
Subtotal	150 miles

GRAND TOTAL Approx. 1165 miles

Docket No. 70-3037
07003037010R
52441

TO: William O. Miller, License Fee Management Branch

SUBJECT: MATERIALS LICENSE AMENDMENT CLASSIFICATION (Route Approval)

APPLICANT: McMASTER UNIVERSITY, Hamilton, Ontario, Canada

License No: GENERAL Fee Category: Exempt (Import)

Application Dated: 10/15/85 Received: 10/21/85

1. The above application for amendment has been reviewed by
NMSS/REGIONAL OFFICE in accordance with §170.31 of Part 170,
and will require an amendment to the license. _____
2. The application is not subject to fees because it was filed
(a) _____ pursuant to written NRC request
and the amendment is being issued for the convenience of the Commission,
or (b) _____ Other (State reason) _____

Signature

Charles R. Hillman

Date

10/30/85