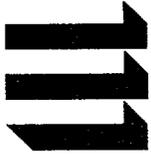


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August 1, 1996

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L22334

Mr. Charles Haughney, Chief
Storage and Transport Systems Branch
Division of Industrial and Medical
Nuclear Safety, NMSS
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

Dear Mr. Haughney,

We hereby request that your office provide us with a route plan for the transport of irradiated fuel from the Naval Weapons Station Charleston, SC to U.S. Department of Energy, Savannah River Site, Aiken, SC. The route plan request is based upon guidelines contained in NUREG-0561 SECTION 2.8.

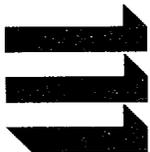
a. Cargo Description

- 1) Radioactive material, fissile, n.o.s. (as uranium oxide) /7/ UN 2918; test and research reactor irradiated fuel.
- 2) TN 7/2: 64 and 45 elements capacity
NAC-LWT: 42 elements capacity
GNS-11: 33 elements capacity
Pegasse: 40 and 36 elements capacity
- 3) Each cask will be loaded on 20 foot container, not to exceed 60,000 lbs.

b. Anticipated Schedule

- 1) Shipments will originate from multiple foreign locations, be discharged at the Naval Weapons Station Charleston, NC (Weaspons Station) and be transported by rail to DOE, Savannah River Site, Aiken, SC.
- 2) The approximate transit time between Weaspons Station and Aiken, SC is estimated to be 5 hours.
- 3) Shipments are expected to begin on or about
September 13, 1996.

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c. Route Information

1) The shipment is scheduled to go from Naval Weapons Station Charleston, SC to U.S. Department of Energy, Savannah River Site, Aiken, SC

2-4) Proposed routes between Naval Weapons Station and Savannah River Site

<u>Route 1</u>	<u>No. of Miles</u>	<u>Estimated Travel Time</u>
1. Weapons Station to CSX (N. Rhet Rd)	10	30 minutes
2. N. Rhet Rd to Ashley Junction, SC	2	10 minutes
3. Ashley Junction to Fairfax, SC	85	146 minutes
4. Fairfax to Dunbarton, SC	38	65 minutes
5. Dunbarton to Savannah River Site	8	14 minutes
Subtotal	143	265 minutes
TOTALS	143	4.5 hours*

<u>Route 2 (Alternate Route)</u>	<u>No. of Miles</u>	<u>Estimated Travel Time</u>
1. Weapons Station to CSX (N. Rhet Rd)	10	30 minutes
2. N. Rhet Rd to Ashley Junction, SC	2	10 minutes
3. Ashley Junction to Florence, SC	96	165 minutes
4. Florence to Pembroke, SC	51	87 minutes
5. Pembroke to Hamlet, NC	24	41 minutes
6. Hamlet to Greenwood, SC	173	297 minutes
7. Greenwood to Augusta, GA	68	117 minutes
8. Augusta, GA to Dunbarton, SC	37	63 minutes
9. Dunbarton to Savannah River Site	8	14 minutes
Subtotal	469	824 minutes
TOTALS	469	13.7 hours*

* The total hours of estimated travel time does not include time for crew changes or sitings at any of the above listed points.



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- 5) No planned rest or stopover points other than for crew changes.
 - 6) The following cities are heavily populated areas which would be traversed on the proposed routes:
Route 1:
Route 2:
- d. Physical Protection Arrangements Planned for Heavily Populated Areas on Route:
- 1) Escorts will be comprised of armed local law enforcement agency personnel for rail and port security. These armed escorts will accompany the shipments from the Weapons Station to the Savannah River Site.
 - 2) As above, local law enforcement agency firearms as required with 10 CFR Part 73.
 - 3) The communications center will be operated by:
 - US DOE's Emergency Communications Center at the Savannah River Site
 - 4) We anticipate having the following communications capabilities on the rail personnel car for all shipments:
 - Qualcomm Satellite Tracking System (Digital)
 - Radiotelephone
 - Cellular telephone

Please let us know if you require additional information concerning our applications for route approval.

Sincerely,

EDLOW INTERNATIONAL COMPANY
Franchone Oshinowo
Assistant Manager, Operations