

PDR

71-6698
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March 4, 1981

CRJ/81/31/ETS

Mr. Charles E. MacDonald, Chief
Transportation Certification Branch
Division of Fuel Cycle and Material Safety
United States Nuclear Regulatory Commission
Washington, D.C. 20555



Re: Docket No. 71-6698, NFS-4 (NAC-1) Spent Fuel Shipping Casks

Dear Mr. MacDonald:

The Nuclear Assurance Corporation hereby requests authorization to ship the NAC-1E cask as an empty cask in accordance with condition 15 of Certificate of Compliance 6698, Revision 14 to a site within 200 miles of its current location. In preparing the cask for shipment, we will reconfirm that the lid closure bolts are properly torqued and we will perform the O-ring seal test (80 PSI) specified in condition 13 of Certificate. Additionally, we will assure that all valves and the pipe plug are secure. Absorbent material will be inserted in the valve ports and the port covers will be re-gasketed and properly torqued to assure a secondary seal. The port covers will be covered with plastic and tape sealed to the cask and the cask surfaces will be cleaned to meet surface contamination limits. Supplementary shielding where required will be securely fastened to the personnel barrier on the trailer and to the trailer chassis. A wire mesh cover will be used to enclose the cask once it has been placed on the trailer. In this configuration, the radiation field at the personnel barriers will be below 200 mr per hour and below 1 r per hour at three feet from the cask surface. These radiation levels meet the regulatory requirements. During shipment, a qualified person with suitable equipment will accompany or follow the shipment and perform at least one intermediate inspection of the cask during the trip.

In view of the above actions and in the interest of minimizing the generation of radioactive wastes, we request that the other requirements of condition 13 of the Certificate be waived for this one time shipment.

We request the authorization for this shipment be granted for a period of forty-five (45) days.

In accordance with 10CFR170, a check in the amount of \$150 is submitted for this administrative action.

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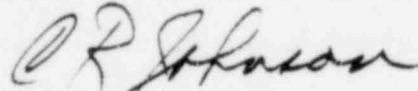
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Mr. Charles E. MacDonald
Page 2
March 4, 1981

Should you have any questions or require further information, please contact me.

Sincerely,

NUCLEAR ASSURANCE CORPORATION

A handwritten signature in dark ink, appearing to read "C. R. Johnson", written in a cursive style.

Charles R. Johnson
Vice President
Engineering and Transportation Services

CRJ:1wb

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