

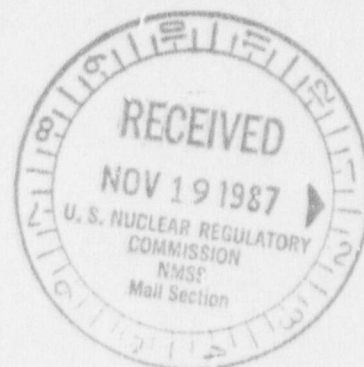
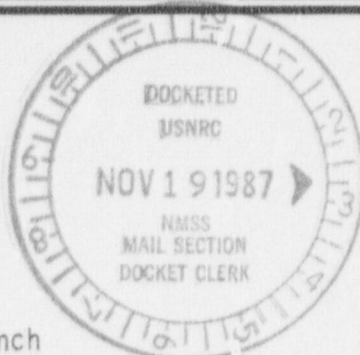


RETURN TO 396-SS  
GENERAL NUCLEAR SYSTEMS, INC.

71-9219

A Chem-Nuclear Company

November 18, 1987  
611-0337-87



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

Dear Mr. MacDonald:

SUBJECT: LICENSE APPLICATION FOR OAK RIDGE NATIONAL LABORATORY MODEL HFIR  
CASK

REFERENCE: LETTER FROM R. T. ANDERSON (GNSI) TO C. MACDONALD (NRC) DATED  
10/29/87

This letter supercedes in its entirety the referenced letter. General Nuclear Systems, Inc. (GNSI), submits to the Nuclear Regulatory Commission (NRC) a license application for a spent fuel cask to be used by research reactors. The U.S. Department of Energy (DOE) will have ownership of the cask and license, and the Certificate of Compliance will be issued to the DOE. Enclosed is the initial submittal of the Safety Analysis Report describing the design of a reusable shipping package fabricated for transport of fissile Class I spent nuclear fuel, designated as the HFIR Cask. The shipping package consists of a welded stainless steel and lead cylindrical cask with bolted lid closure, changeable fuel baskets, and top and bottom impact limiters.

The SARP has been prepared in accordance with proposed Revision 2 to Regulatory Guide 7.9, Standard Format and Content of Part 71 Applications for Approval of Packaging for Radioactive Material.

The design, certification, and fabrication of the spent fuel cask has been contracted by the Oak Ridge National Laboratory to General Nuclear Systems, Inc. (GNSI). Therefore, GNSI shall act as the prime contact with the NRC in this license application. All official correspondence on this license application should be directed to:

Mr. Robert T. Anderson  
Director, Cask & Transportation Systems  
General Nuclear Systems, Inc.  
220 Stoneridge Drive  
Columbia, South Carolina 29210

8712010125 87111B  
PDR ADOCK 071\*\*\*\*\*  
C PDR

The U.S. Department of Energy (DOE) will have ownership of the cask and license, and the Certificate of Compliance will be issued to the DOE. The cask will be used by government and university facilities that promote the general health and safety of the public through research, training, and isotope production. The Oak Ridge National Laboratory and the Brookhaven National Laboratory will be the principal users of this cask. Therefore, GNSI requests that the license application fees be waived in accordance with 10 CFR 170.11, (Item #5).

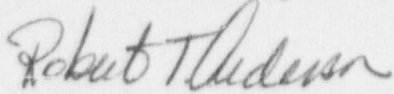
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Mr. Charles E. MacDonald  
11/18/87  
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Please contact me if you or members of your staff have any questions concerning this submittal.

Sincerely yours,

General Nuclear Systems, Inc.



Robert T. Anderson  
Director, Cask and Transportation Systems

RTA/ccr

c: J. A. Lenhard (DOE-ORO)  
A. L. Lotts  
D. M. McGinty  
H. Postma - RC  
D. Stonebridge (BNL)

DOCKET NO. 71-9219  
CONTROL NO. 28779  
DATE OF DOC. 11/18/87  
DATE RCVD. 11/19/87  
FCUF \_\_\_\_\_ PDR ✓  
FCAF \_\_\_\_\_ LPDR \_\_\_\_\_  
I & E REF. ✓  
SAFEGUARDS \_\_\_\_\_  
FCTC ✓ OTHER \_\_\_\_\_  
DATE 11/19/87 INITIAL CSC