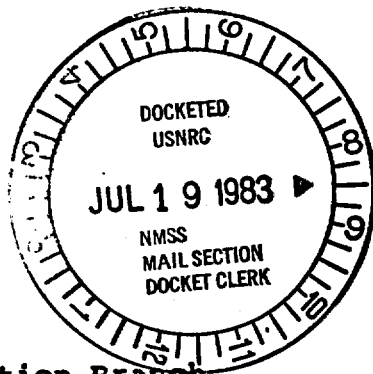




Department of Energy  
Washington, D.C. 20585



71-6400  
PDR  
Return  
to 39655

NR:DRS:DLalf Z#1025  
July 8, 1983

C. E. MacDonald, Chief  
Transportation Certification Branch  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

**SUPER TIGER SHIPPING CONTAINER - SAFETY ANALYSIS REPORT FOR SHIPMENT OF UNIRRADIATED U-233 FUEL RODS UTILIZING BIRDCAGE CONTAINER FOR SECONDARY PACKAGING; REQUEST FOR NUCLEAR REGULATORY COMMISSION CONCURRENCE**

A safety analysis report for shipment of unirradiated U-233 fuel rods in the Super Tiger shipping container is attached as enclosure (1) and is forwarded for Nuclear Regulatory Commission (NRC) review and concurrence. The safety analysis report addresses the use of birdcage containers for secondary packaging and relies extensively on the revised Super Tiger safety analysis report forwarded for NRC review by Naval Reactors letter Z#1008 dated April 22, 1983.

The packaging consists of the Super Tiger shipping container with nine certificate of compliance 5910 birdcage containers utilized for secondary packaging. Each birdcage container may contain up to 16 LWBR seed rods, eight blanket rods, or four reflector rods. The three-by-three array of birdcage containers will be shored snug within the Super Tiger inner cavity. No more than two kg of U-233 will be transported per shipment.

Naval Reactors considers that the Super Tiger shipping container modified for shipment of unirradiated U-233 fuel rods as described in enclosure (1) complies with Code of Federal Regulation requirements (10CFR71). A DOE Certification of Compliance for the Super Tiger shipping container revised to accommodate this shipment is attached as enclosure (2). NRC concurrence with the attached safety analysis report is requested by August 1, 1983.

*W. P. Engel*

W. P. ENGEL, Director  
Division of Reactor Safety  
and Computation

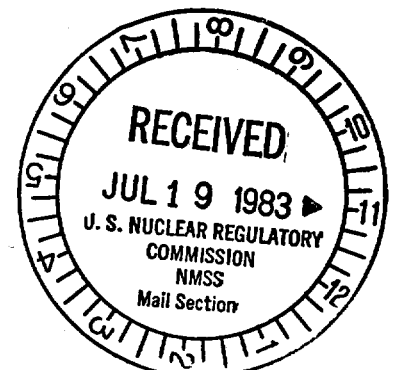
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**Enclosures:**

- (1) Safety Analysis Report for Packaging Super Tiger Shipping Container as Adapted for Small Numbers of LWBR Type Fuel Rods
- (2) DOE Certification of Compliance USA/6400/BLF (DOE-NR), Revision 3

Copy to: (w/o enclosures)  
D. M. Ross, EP-321, DOE  
Manager, PNR  
H. Luchinsky, Bettis



22544

DOCKET NO. 71-6400

CONTROL NO. 22574

DATE OF DOC. 07/08/83

DATE RCVD. 07/19/83

FCUF \_\_\_\_\_ PDR

FCAF \_\_\_\_\_ LPDR \_\_\_\_\_

WM \_\_\_\_\_ I&E REF.

WMUR \_\_\_\_\_ SAFEGUARDS \_\_\_\_\_

FCTC  OTHER \_\_\_\_\_

DESCRIPTION:

Super-Ajex Shipping  
Container - - Safety  
Analysis Report

07/19/83 INITIAL CEC