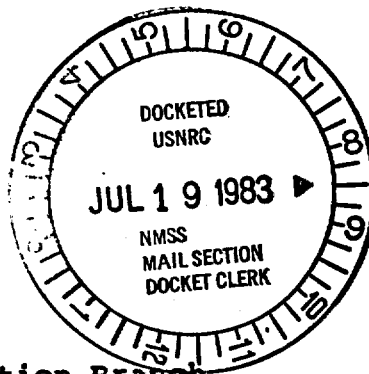




Department of Energy
Washington, D.C. 20585



NR:DRS:DLA1f Z#1025
July 8, 1983

71-6400
PDR
Return
to 39655

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

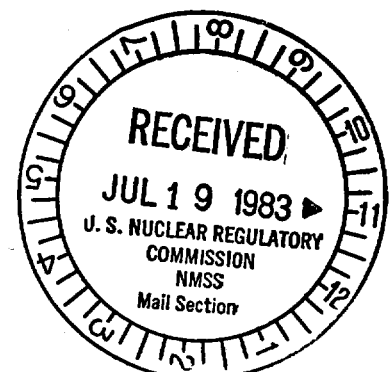
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Enclosures:

- (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

90:IN 81 NR 68.



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-Ager Shipping
Container --- Safety
Analysis Report

07/19/83 INITIAL cec