

May 16, 2008

U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852-2738

Attn: Document Control Desk

Subject: Request for Authorization to Use Sealed Failed Fuel Cans with a Modified Lid Weld Configuration in the NAC-LWT Cask

Docket No. 71-9225

- Reference:
1. Safety Analysis Report (SAR) for the NAC Legal Weight Truck Cask, Revision 38, NAC International, November 2007
 2. Model No. NAC-LWT Package, U.S. Nuclear Regulatory Commission (NRC) Certificate of Compliance (CoC) No. 9225, Revision 46

NAC International (NAC) herewith requests authorization to use sealed failed fuel cans with a modified lid weld configuration to ship damaged TRIGA fuel cluster rods in the NAC-LWT cask.

License drawing 315-40-087, Revision 5, Canister Lid Assembly, Sealed Failed Fuel Can, TRIGA Fuel, (as contained in Reference 1 and listed in Reference 2) identifies a 1/8 double fillet weld between Items 11 (support) and 10 (street elbow fitting) in Zone A-7 of the drawing. In order to accommodate Item 10, the material thickness remaining at the top of Item 11 is insufficient to create a 1/8 fillet weld between the two items. To facilitate fabrication, NAC hereby requests to remove the 1/8 callout for the double fillet weld between Items 11 and 10 from the drawing.

The sole purpose of Item 11 is to provide additional support during can loading operations when a gas line connection to Item 10 is established. Item 11 has no structural or other significance during can handling, cask loading/unloading, or shipment. The can confinement capability is unaffected by Item 11. In all normal conditions of transport or postulated accident scenarios, Item 11 is only loaded by the weight of Item 10. Item 10 is also fully supported by the valve weldment (Item 15).

Enclosed with this request is license drawing No. 315-40-087, Rev. 6. This revision shows the as-requested weld call out between Items 10 and 11. Authorization is requested for a 12 month period to use sealed failed TRIGA fuel cans with the lid weld configuration as depicted in Zone A-7 of Revision 6 of the above drawing for shipment of damaged TRIGA fuel cluster rods in the NAC-LWT cask.





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If you have any comments or questions, please contact me on my direct line at 678-328-1274.

Sincerely,

Anthony L. Patko
Director, Licensing
Engineering

Enclosure

Figure Withheld Under 10 CFR 2.390

 NAC INTERNATIONAL			
CANISTER LID ASSEMBLY, SEALED FAILED FUEL CAN, TRIGA FUEL			
PROJECT	315-40	DRAWING	087
SCALE	FULL	SHEET	5#
		CH 1	OF 1
			REV 6
			3-15-2023