

10 CFR 71.95 REPORT EVALUATION FORM

Docket No.: 71-9341
Package Model No.: BEA Research Reactor (BRR)
Report Submitted By: Ralph Butler, Director, University of Missouri Research Reactor
Report Date: March 23, 2012

Review the incoming report to determine if additional Commission or staff action is warranted. The review should consider whether the report identifies a generic defect or problem with the package design and the safety significance of the issue. Note that a high safety significance represents a potential for significant radiation exposure, medium safety significance represents a potential for some moderate radiation exposure, and low safety significance represents little or no potential for radiation exposure.

1. The report identifies:

- Significant reduction in the effectiveness of a package during use;
- Defect with a safety significance;
- Shipment in which conditions of the approval were not observed.

2. What is the safety significance? High Medium Low

3. Summary of the report:

An incorrect part (drain seal port washer) was provided by the certificate of compliance holder for the Model No. BEA Research Reactor (BRR) package used by MURR for shipment to the Savannah River Site. The proper part is NAS1523C10N, but the part supplied and used was NAS1523C9N. The material, thickness, and cross section does not differ between the two washers, however, the inner and outer diameters are approximately 10 percent smaller on the washer used as opposed to the washer specified.

4. Corrective actions taken by the licensee:

The certificate holder has a corrected parts list memorandum and MURR has received indication that correct parts will be supplied prior to any future shipments.

5. Staff comments:

Staff has compared the part used with the part specified, except for the inner and outer diameters the washers are identical. Based on the bolt size used with the washer, the bolt head is slightly smaller than 1 inch (0.921 to 0.938), while both washers have an outer diameter of over 1 inch. The bolt used in conjunction with the washer has a 5/8 (0.625) inch diameter shaft, both of the washers have inner diameters smaller than 5/8 (0.625) inches. Both washers (NAS1523C9N, NAS1523C10N) seal the entire surface of the bolt head without negatively impacting the helium leakage testing. Based on the slight variation in dimensions and passing the helium leakage test the safety significance of this event is low.

6. Staff conclusion:

- The report does NOT identify generic design or license/certificate issues that warrant additional Commission or staff action. This report is considered closed.

- There is a need to take additional action. Provide a summary of the bases and recommended actions:

DISTRIBUTION:

SFST 71.95 Report File

M. Ferdas, RI S. Vias, II A. McCraw, III B. Spitzberg, IV

B. Benny E. Benner

D. White, FSME NMED Project Manager

G:\SFST\Part 71\71.95 reports\71.95 Report Evaluations\71-9341 BEA Research Reactor MURR Rev0.docx

ADAMS Accession No.: ML12254A100

OFC	SFST		SFST		SFST		SFST		SFST	
NAME	RBerry		MGordon		MDeBose		DPstrak		MWaters	
DATE	7/5/12		7/4/12		7/5/12		7/10/12		8/ 29 /12	

C = COVER E = COVER & ENCLOSURE N = NO COPY
OFFICIAL RECORD COPY