

10 CFR 71.95 REPORT EVALUATION FORM

Docket No.: 71-9225
Package Model No.: NAC-LWT
Report Submitted By: Anthony L. Patko, NAC International
Report Date: March 29, 2010 [ML1009101660]

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:

This document is a follow up on information from a 71.95 report submitted to the NRC on September 9, 2009 (ML092530718). The September 9, 2009, report described an instance where, during routine annual maintenance, of the Model No. NAC-LWT, Unit No. 3, qualified welders attempted to perform a weld repair on one of the aluminum upper impact limiter gusset-to-shell weld that contained a crack. When the defective weld material was going to be removed, it was discovered that the structural gusset was not one solid piece as shown on the license drawing and had apparently been reattached with a partial penetration fillet weld at some indeterminate previous time. The repair was stopped and documented in a nonconformance report.

Normal wear and tear of the NAC-LWT aluminum impact limiters necessitates periodic repair of the gusset-to-shell weld crack. The gusset-to-shell welds are nonstructural. The gusset tab and its base of the NAC-LWT, Unit No. 3, were examined and determined to have contained a base metal repair with no known NAC record documenting this repair. The as-found condition of the gusset tab was not in compliance with the applicable license drawing. Even though NAC concluded that the NAC-LWT Unit No. 3 was used in some past shipments, no component or systems failed due to the noted condition. Since all shipments made with the NAC-LWT Unit No. 3 have been completed without any incidents, NAC has not continued investigating past shipments even though the number of shipments using the affected cask unit remain indeterminate. This isolated condition was addressed via a Corrective Action Report (Car 09-01).

4. Corrective actions taken by the licensee:

NAC has implemented a Nondestructive Examination (NDE) program pursuant to NAC CAR 09-01 to verify the compliance of all gussets on all LWT impact limiters to the requirements of the applicable license drawings. The NDE was performed concurrently with the annual maintenance of the rest of the NAC-LWT fleet and revealed no other instance of a similar condition reported under this 71.95 Report.

10 CFR 71.95 REPORT EVALUATION FORM

Docket No.: 71-9225
Package Model No.: NAC-LWT
Report Submitted By: Anthony L. Patko, NAC International
Report Date: March 29, 2010 [ML1009101660]

The CAR was closed because the affected hardware was repaired and brought to full compliance with the licensed configuration.

5. Staff comments:

No further comments from staff.

6. Staff conclusion:

Since the performed NDE revealed no other instance of similar condition found in NAC-LWT, Unit No. 3, and the affected hardware was repaired according to the licensed configuration, no further action related to this condition is needed from NAC.

- ☒ 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

JJoustra, RI
 BWhite

MFranke, RII
 DPstrak

CLipa, RIII BSpitzberg, RIV
 Michele Burgess, FSME, NMED Project Manager

G:\SFST\Hardin\71.95 reports\71-95-report-9225a.doc

OFC	SFST	C	SFST	C	SFST					
NAME	SSoto/KHardin		MDeBose		EJBenner					
DATE	05/20/2010		05/20/2010		05/20/2010					

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