

10 CFR 71.95 REPORT EVALUATION FORM

Docket No.: 71-9309

Package Model No.: RAJ-II

Report Submitted By: Charles M. Vaughan, Global Nuclear Fuel - Americas, LLC (GNF-A)

Report Date: April 21, 2006

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:** On March 8, 2006, GNF-A (the certificate holder) discovered two missing filet welds on the underside of the lid-tightening bosses of the outer container of one RAJ-II package. No package component failed. The two filet welds are used as manufacturing aids, and do not serve any structural purpose. This specific package had been used in two shipments. GNF-A has not made any shipments since the discovery of the missing weld.

Condition 5.(a)(3) of Certificate of Compliance (CoC) No. 9309 for the Model No. RAJ-II package identifies the approved drawings for the package. Page 2 of Drawing 105E3738, Rev. 6, Location B9, Item 17, identifies two filet welds on the underside of the tightening boss of the outer container. The Certificate of Compliance requires that the package be fabricated in accordance with the approved drawings.

The non-compliance was a result of the package vendor, Columbiana Hi Tech, LLC (CHT), not applying these welds and not detecting the missing welds during their post-fabrication inspection. A similar instance of this non-compliance was reported by a registered user on December 9, 2005.

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4. Corrective actions taken by the licensee: Upon notification of the event, the certificate holder initiated additional inspections of the initial fifteen (15) RAJ-II packages manufactured by CHT, which were manufactured during the same period that the non-compliant package was manufactured. No other RAJ-II containers besides the one reported were missing these welds. The non-compliant RAJ-II package was returned to CHT for rework to meet the package drawings.

To prevent recurrence, CHT developed training sessions with their employees and developed a checklist for their inspectors that instructs them to look for these specific welds. GNF-A developed inspection plans to look for these welds before loading the package. In addition, GNF-A has inspected 119 RAJ-II packages it owns, without finding a similar non-compliance, and will continue to inspect RAJ-II packages manufactured in the future.

5. Staff comments: None

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:

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