

# 10 CFR 71.95 REPORT EVALUATION FORM

**Docket No.:** 71-9319

**Package Model No.:** MAP-12

**Report Submitted By:** T.J. Tate, AREVA Inc.

**Report Date:** October 5, 2016

**Report ADAMS Accession No.:** ML16281A351

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 August 17, 2016, AREVA Inc. shipped six Model No. MAP-12 packages, each loaded with two fuel assemblies, from Richland, WA, to New Hill, NC. On August 23, 2016, the receiving customer informed AREVA Richland that upon receipt, one of the ball lock pins on the package was unscrewed with the top of the ball lock pin loose. This violates the licensing drawings which require the use of all 44 ball lock pins to attach the lid of the packaging to the base. The licensing drawings are specified in paragraph 5.(a)(3), "Drawings," of the certificate of compliance and so the package was out of compliance with the certificate.

The licensee has an internal process where the ball lock pins are checked twice, and if it appears that it may be possible for the pin to be unscrewed, red Loc-Tite™ is added to the joint. Per the internal process, records indicate that these ball lock pins were checked prior to shipment. The licensee believes that vibration during the shipment caused the one ball lock pin to become unscrewed.

## 4. Corrective actions taken by the licensee:

The loose ball lock pin was scrapped upon return to AREVA Richland. The event is under review with the two work groups who perform the ball lock tightness inspections to reinforce the importance of these inspections.

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**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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