

# 10 CFR 71.95 REPORT EVALUATION FORM

**Docket No.:** 71-9217

**Package Model No.:** ANF-250

**Report Submitted By:** R. E. Link, AREVA NP Inc.

**Report Date:** October 2, 2013

**Report ADAMS Accession No.:** ML13295A226

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 7, 2013, AREVA personnel discovered that a torque wrench used to close ANF-250 packages was out of calibration at its 30 ft-lbs setting. The wrench was properly calibrated at its 90 and 150 ft-lbs settings. Due to this condition, the torque values for 218 ANF-250 packages closed and shipped since the previous calibration were suspect and considered as not meeting the torque settings required in the package design drawings. Specifically, Drawing EMF-306, 175 R16 requires the inner lid stud nuts to be torqued to 35 ft-lbs  $\pm$  3.5 ft-lbs, and the outer lid ring bolt be torqued to 45 ft-lbs  $\pm$  5 ft-lbs. The incorrect calibration of the torque wrench caused the torque on the inner lid stud nuts and the outer ring bolts to exceed the requirement by approximately 3.5 ft-lbs and 2 ft-lbs, respectively.

In response to this event, the certificate holder requested the AREVA Transnuclear Engineering group to make a structural and safety evaluation to assess the effects of over torquing the lid bolts. The evaluation showed that the approximately 25% increase in bolt torque would not cause any adverse effect or damage on the package closure lid or bolts.

The certificate holder stated that it does not know why the torque wrench went out of calibration.

**4. Corrective actions taken by the licensee:**

The two shipments in transit at the time of discovery of the out of calibration wrench were returned to AREVA Richland for re-closure with a properly calibrated wrench. The certificate holder is now checking the calibration of torque wrenches used to close the ANF-250 package daily.

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## 5. Staff comments:

The staff has reviewed the certificate holder's report, and its evaluation of the incident, and it agrees that the safety significance of the report is minor. The staff finds that the certificate holder's corrective actions should be sufficient to prevent future occurrences.

## 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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