

10 CFR 71.95 REPORT EVALUATION FORM

Docket No.: 71-9196

Package Model No.: Model No. UX-30

Report Submitted By: R.E. Link, Manager, Environmental, Health, Safety & Licensing, AREVA

Report Date: August 17, 2012

Report ADAMS Accession No.: ML12235A480

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:

Between June and July 2012, United States Enrichment Corp (USEC) informed AREVA of six 30B cylinders that were determined to not have adequate cylinder valve thread engagement. Per ANSI N14.1-2001, "Uranium Hexafluoride Packaging for Transport," Section 6.10.6, a minimum engagement of seven threads is a requirement. Condition No. 6 of the CoC for the Model No. UX-30 requires that the 30B cylinder be inspected and maintained in conformance with ANSI N14.1-2001. The cylinder valve in each 30B cylinder, AGIP7948, ANF921, EN3720, EX212, EX806, and EX847, was determined by USEC to not conform to the thread engagement criterion in Section 6.10.6 of the ANSI standard.

Cylinders AGIP7948 and EX847 were shipped on May 31, 2012. Cylinders EN3720 and EX212 were shipped on June 26, 2012. Cylinder ANF921 was shipped on June 28, 2012. Cylinder EX806 was shipped on June 29, 2012. All cylinders were shipped from AREVA to USEC.

The cause of the non conformance is due to a non-conservative valve thread marking process in that the technique used to mark the fifth thread on the plug did not guarantee that five full threads would actually be engaged when the valve was installed in the cylinder.

4. Corrective actions taken by the licensee:

USEC will replace the valves in the six affected cylinders.

AREVA revised its valve and thread marking technique to assure that at a minimum seven full valve threads are engaged.

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5. Staff comments:

Safety significance is low since there was no reported leakage of UF6 at the valve coupling during the transportation or use of this cylinder.

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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ADAMS P8 Accession No.: ML13214A090

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