

10 CFR 71.95 REPORT EVALUATION FORM

Docket No.: 71-9196
Package Model No.: UX-30
Report Submitted By: James D. Lewis, Paducah Gaseous Diffusion Plant
Report Date: January 13, 2012

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 November 16, 2011, the United States Enrichment Corporation (USEC) identified a uranium hexafluoride cylinder, GEW080, which did not appear to have adequate cylinder valve thread engagement. A minimum of seven threads engaged is a requirement of ANSI N14.1-2001, "Uranium Hexafluoride Packaging for Transport," and conformance to this standard is required by Condition 6 of the Certificate of Compliance. The identified cylinder was determined to have been previously filled and shipped by USEC three times since November 2007.

The safety significance of this event is determined to be low. There was no indication of leakage from the cylinder on receipt. This event did not result in any exposures beyond normal exposures incident to routine cylinder handling.

4. Corrective actions taken by the licensee:

- On December 13, 2011, USEC notified the customer and provided the inspection data sheet demonstrating the unacceptable thread engagement.
- On January 9, 2012, USEC requested and received permission from the customer to replace this valve.

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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