

10 CFR 71.95 REPORT EVALUATION FORM

Docket No.: 71-9196

Package Model No.: UX-30

Report Submitted By: Russell Williams for Jay Laughlin, URENCO USA (UUSA)

Report Date: July 20, 2012.

Report ADAMS Accession No.: ML12207A129

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 June 12, 2012, Westinghouse Electric Company, LLC (WEC) notified URENCO USA (UUSA) that it received a shipment in the Model No. UX-30 package containing a 30B cylinder (product cylinder) in which the conditions of approval in the certificate of compliance were not observed. The cylinder was filled with 2,235 kg of solid uranium hexafluoride (UF₆).

By letter dated July 20, 2012, UUSA submitted a report pursuant 10 CFR 71.95 to the U.S. Nuclear Regulatory Commission about this incident. This report refers to the first shipment of six 30B shipments to WEC, Hopkins, South Carolina. The WEC Lead Transport Specialist notified UUSA that the UX-30 overpacks "lid lifting lugs" did not have "bolt plugs" installed. The purpose of the bolt plugs were to disable the use of the "lid lifting lugs" during loading and unloading operations. Condition number 9 (b) in Certificate of Compliance No. 9196 requires that the package meets the Acceptance Tests and Maintenance Program of Chapter 8 of the application, as supplemented. Condition number 9 (c) in CoC No. 9196 requires that the package be prepared for shipment and operated in accordance with the operating procedures in Chapter 7 of the application, as supplemented. Sections 7.1.2.17 and 8.2.17 of the SAR include the requirements specific to the installation of the "bolt plugs." Procedure No LO-3-2000-04 of UUSA, "Container Handling During Initial Plant Start-up," included this requirement.

The report filed pursuant 71.95 noted that the cause of this event was failure to follow procedures including an inadequate check list. The existing check list (LO-3-2000-04-F-01) did not include an item to verify the proper placement of the bolt plugs. UUSA stated in its July 20, 2012 letter filed under 10 CFR 71.95 that "the plugs represent defense in depth" and "[N]o exposure of individuals to radiation to radioactive materials resulted from this incident."

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4. Corrective actions taken by the licensee:

1. Completed a briefing on June 19, 2012, to the container handling team about the importance of adhering to procedures.
2. Revised procedures including implementation of a flow check.
3. Revised procedure LO-3-2000-04 of UUSA to include an item to verify the installation of the bolt plug in the procedure's check list.

5. Staff comments:

Staff reviewed the licensee's report and corrective actions. The NRC staff agrees that the safety significance of this incident is low and that the corrective actions were sufficient to minimize future occurrences.

A similar report pursuant 10 CFR 71.95 was filed by letter dated June 21, 2012 (ADAMS Accession No. ML12180A532). The staff completed the evaluation on October 9, 2012 (ADAMS Accession No. ML12291A738)

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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5. Staff comments:

Staff reviewed the report filed pursuant 10 CFR 71.95 and corrective actions. Staff agree that the safety significance of this incident is low and that the corrective actions are sufficient to minimize future occurrences.

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ADAMS Package No.: ML17012A028

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