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Your ref: Docket No. 71-9196
Our ref: LTR-LCPT-11-32

November 16, 2011

SUBJECT: Event Report - Docket 71-9196, Certificate of Compliance USA/9196/B(U)-F96,
UX-30 Package

Dear Mrs. Vonna Ordaz:

A written report is hereby submitted for instances in which a condition of approval in the Certificate of Compliance for UX-30 Package (USA/9196/B(U)F-96) was not observed in making a shipment.

(1) Abstract / Background

The UX-30 is an overpack for 30-inch uranium hexafluoride (UF₆) cylinders. Two types of 30 inch uranium hexafluoride cylinders may be carried in the UX-30 overpack. These are (1) an ANSI N14.1 Standard 30B cylinder, or (2) an ANSI N14.1 Standard 30C cylinder.

The Certificate of Compliance 9196, revision 26, specifies condition 6. as follows:

6. "The ANSI standard 30B, 30-inch diameter UF₆ cylinder, must be fabricated, inspected, tested and maintained in accordance with a) American National Standard N14.1-2001 or an earlier version of ANSI N14.1 in effect at the time of fabrication or b) American National Standard N14.1-2001 or an earlier version of ANSI N14.1 in effect of time of fabrication and ISO 7195:1993(F). Cylinders must be fabricated in accordance with Section VIII, Division 1, of the ASME (American Society of Mechanical Engineers) Boiler and Pressure Vessel Code and be ASME Code stamped."

This information is provided pursuant to 10 CFR 71.95 (c)(1).

(2) Narrative of the Event

Westinghouse received and unloaded several shipments of UF₆ from CNEIC, a supplier in China. The cylinders from those shipments were not processed immediately. During pre-processing inspections that occurred between May 17th and October 6th, 14 cylinders were found to have non-compliant valve issues. These issues are as follows:

- One (1) packing nut was leaking, and could not be tightened because the packing nut was larger than a 100ft/lb wrench.
- One (1) cylinder valve had too many threads showing (more than six), and so proper engagement could not be determined.
- Two (2) cylinder valves had tinning which was loose / coming off, and so valve engagement could not be verified.
- Five (5) cylinder valves were misaligned.
- Five (5) cylinders had Hunt valves installed.

(3) Assessment of Safety Consequences and Implications of the Event

The shipment was received without incident.

This information is provided pursuant to 10 CFR 71.95 (c)(3).

(4) Corrective Actions

Immediate actions taken:

- a. All noncompliant cylinders were tagged immediately and put on hold to prevent them from progressing further. They will remain on hold until the non-compliant valves are replaced.
- b. The supplier, transporter and owner of the cylinder were notified of the issue.

Continuing actions in process:

- a. Each valve issue listed above will undergo valve changes as required by Westinghouse procedure before being processed.
- b. Any Hunt valves will be replaced with non-Hunt valves.

This information is provided pursuant to 10 CFR 71.95 (c)(4).

(5) Extent of Condition

Fourteen (14) UF6 cylinders were outside of compliance.

This information is provided pursuant to 10 CFR 71.95 (c)(5).

(6) Contact

Please contact Wes Stilwell at 803 647-3438 for any additional information about this event.

This information is provided pursuant to 10 CFR 71.95 (c)(6).

(7) Extent of Exposure to Radiation

There was no exposure to radiation due to the valve issues.

This information is provided pursuant to 10 CFR 71.95 (c)(7).

Sincerely,

****Electronically approved***

William (Wes) E. Stilwell III
WESTINGHOUSE ELECTRIC COMPANY LLC
Licensing, Compliance and Package Technology

cc
Mark Rosser, Manager, Environment, Health, and Safety
Dave Precht, Plant Manager, Columbia Fuel Fabrication Facility