

71-9196



March 9, 2009
E&L-036-09

Michele M. Sampson, Senior Project Manager
Licensing Section
Division of Fuel Storage and Transportation
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Ms. Sampson:

Subject: Supplement to Response to Second Round Request for Additional Information to US Nuclear Regulatory Commission Concerning Certificate of Compliance No. 9196 For the Model No. UX-30 Package (Docket No. 71-9196 TAC No. L24143)

EnergySolutions previously provided a response to the request for additional information dated February 5, 2009. On further review, we determined that the response was incomplete. Attached is an additional change to the SAR, which applies to both the public and non-public versions, to ensure consistency between the drawings and the SAR text.

The two attachments to this letter are listed below:

Attachment 1 Revised public SAR page; please replace the previously provided page with the page in this attachment. Page included is: page 8-3.

Attachment 2 Revised non-public SAR page; please replace the current page with the page in this attachment. Note that these pages are covered by the proprietary affidavit provided with our original submittal dated October 22, 2007. Page included is page 8-3.

Should you or members of your staff have questions about the responses, please contact Mark Whittaker at (803) 758-1898.

Sincerely,

A handwritten signature in black ink, appearing to read "Mirza I. Baig", with a long horizontal flourish extending to the right.

Mirza I. Baig
Technical Services Manager – Engineering & Licensing

Attachments: As stated

NH5501

Attachment 1

- ◆ Maintenance of the 30B Cylinders shall be performed in accordance with ANSI N14.1 (appropriate edition).
- Maintenance Program For The 30B Cylinders Manufactured In Accordance With ANSI N14.1-1995, "Uranium Hexafluoride – Packaging for Transport" and ISO 7195:1993(F), "Packaging of Uranium Hexafluoride (UF₆) for Transport".
 - ◆ Maintenance of the 30B Cylinders shall be performed in accordance with ANSI N14.1 - 1995 and ISO 7195:1993(F).
- Maintenance Program for the 30C Cylinder.
 - ◆ Maintenance of the 30C Cylinder shall be performed in accordance with Addendum 2-2004 to ANSI N14.1-2001.
- Maintenance Program for 30B or 30C Cylinders Used For Reprocessed UF₆ –
 - ◆ In addition to the maintenance requirements listed above, the cylinder must be tested annually to demonstrate a measured leak rate less than $1 \times 10^{-7} \text{ cm}^3/\text{sec}$. The acceptance leak test of the 30B or 30C cylinder used for reprocessed UF₆ will be performed using Method A.5.4 Evacuated Envelope of ANSI N14.5-1997. The cylinder will be evacuated to a 90% vacuum and then pressurized with helium to approximately 1 psig. The pressurized cylinder is placed in a sealable container connected to a helium mass spectrometer leak detector. The container is sealed and evacuated until the vacuum is sufficient to operate the helium mass spectrometer leak detector and the helium concentration in the container void is monitored. The acceptance criterion is $1.0 \times 10^{-7} \text{ atm-cm}^3/\text{sec}$ of air (leaktight). The detector sensitivity must be less than or equal to $5.0 \times 10^{-8} \text{ atm-cm}^3/\text{sec}$.

MAINTENANCE PROGRAM FOR THE UX-30:

8.2.1 Structural and Pressure Tests

- 8.2.1.1 Visual inspection of accessible welds shall be carried out annually in accordance with ASME Section V with acceptance criteria in accordance with ASME Section III, Subsection NF-5000.
- 8.2.1.2 Excessive accumulations of dirt, oil, and other debris shall be removed from the inner and outer surfaces after each use.
- 8.2.1.3 The dust seal and all rubber pads shall be inspected every 6 months for wear. The dust seal shall be replaced when excessive wear renders the seal ineffective.
- 8.2.1.4 Inner and outer surfaces shall be inspected for penetrations every 6 months. If any skin failure is observed, these may be repaired using a suitable stainless

Attachment 2

Text Withheld Under 10 CFR 2.390