

**Request for Clarifications on Information from URENCO USA  
for the Environmental Review of the Supplement to License Amendment for the  
Proposed Expansion of the Gas Centrifuge Uranium Enrichment Facility  
in Lea County, New Mexico**

This is with regard to the Supplement to License Amendment Request for Capacity Expansion of URENCO USA (UUSA) Facility, dated May 22, 2014, and received May 28, 2014, (UUSA, 2014).

1. Section 2.3.1 of the license amendment request (UUSA, 2014), states “Increased storage capacity of 30B cylinders may be partially accommodated by the Uranium Byproduct Cylinder Storage Pad.” Provide the following:
  - a. The maximum number of full 30B product cylinders that would be stored on the UBC Storage Pad at any one time.
  - b. The maximum number of cylinders that would be stored on the UBC Storage Pad and include a breakdown by type, such as:
    - i. 30B cylinders filled with product UF<sub>6</sub>,
    - ii. emptied 30B cylinders with residual UF<sub>6</sub>,
    - iii. clean empty 30B cylinders,
    - iv. 48Y cylinders filled with natural UF<sub>6</sub>,
    - v. 48Y cylinders filled with depleted UF<sub>6</sub>,
    - vi. emptied 48Y cylinders with residual UF<sub>6</sub>, and
    - vii. clean empty 48Y cylinders.
  - c. The possible arrangement of the full 30B product cylinders on the UBC Storage Pad that would result in the highest potential exposure to workers and/or the public (e.g., including the consideration of close packed single- or double-stacked row(s) of 30B cylinders in front of triple-stacked UBCs at the minimum distance that the 48Y and 30B cylinders can be stored from the edge of the pad).
  - d. An estimate of the potential exposure to workers and the public from such an arrangement. If any comparison with a proposed triple-stacked UBC arrangement is made, the comparison should use the same receptor distance from the nearest edge of the leading row of cylinders.
2. Provide the expected incremental increase in average annual worker doses due to the performance of the gamma spectrometer and mass spectrometer examinations for the Items Relied on For Safety (IROFS) of IROFS53a and IROFS53b.
3. Section 2.2.2 of the license amendment request (UUSA, 2014) discusses the creation of a new accident sequence. Provide updates to Supplemental Environmental Report for Facility Expansion, Supplement to LAR 12-10, for applicable sections, such as:
  - a. 4.6.5 and 4.12.11 to address mitigative measures for the new accident,
  - b. 4.12.10 to discuss environmental effects of the new accident, and
  - c. 4.15.12.3 to address accidental releases from the new accident.

**Reference:**

(UUSA, 2014)            Redacted-Supplement to License Amendment Request for Capacity Expansion of URENCO USA Facility (LAR-12-10), May 22, 2014.