

July 20, 2015

Ms. Amy Johnson  
Licensing and Performance  
Assessment Manager  
Urenco, USA  
P.O. Box 1789  
Eunice, NM 88231

SUBJECT: ISSUANCE OF AMENDMENT NO. 66 REGARDING LICENSE AMENDMENT  
REQUEST 15-03, PROPOSED AMENDMENT TO MATERIALS LICENSE  
SNM-2010 TO CHANGE LICENSE CONDITIONS 6, 7, AND 8 (TECHNICAL  
ASSIGNMENT CONTROL NO. 34326)

Dear Ms. Johnson:

On May 21, 2015, Louisiana Energy Services (LES), dba Urenco USA (UUSA), transmitted a request for a proposed amendment to their Special Nuclear Material License (SNM) SNM-2010 (Agencywide Document Access and Management System (ADAMS) Accession Number (ML15147A060). This request, if approved, would amend Sections 6, 7 and 8 of the UUSA Materials License SNM-2010 to add Ba-133 and TC-99 and increase the possession limit of Co-60. This material is in the form of sealed sources for use as calibration standards at the UUSA facility in New Mexico.

The regulatory requirements covering the acquisition and use of sealed sources is contained within Title 10 of the *Code of Federal Regulations* (10 CFR) Part 30.33. The review standard for determining if an applicant would be allowed to acquire such sources is contained in NUREG-1556, Volume 7 for Research and Development (R&D) facilities, Section 8. There are two major tests in the approval process: (1) the licensee will be authorized to possess and use only those sealed sources that are specifically approved or registered by NRC or an Agreement State; and (2) the licensee:

1. Must identify the radionuclide (element, mass number) and maximum activity per source and number of sources;
2. Provide manufacturer name and model number of source (required by 30.32(g));
3. State purpose/use of source(s);
4. Describe training for use of the sources;
5. Describe facilities for use/storage of sources;
6. Have in place a radiation protection and safety program for sources;
7. Confirm they will perform physical inventory every 6 months to account for sources;
8. Confirm they will develop and implement safe use and emergency procedures for sources, including 20.1801 / 20.1802 security;
9. Confirm they will leak test every 6 months or at intervals approved by the SSD; and
10. Confirm they will transfer to another licensee, or dispose of as rad waste.

Requirements 1 and 3 were found to be satisfied during the staff review of the May 21, 2015, application; Requirement 2 was satisfied by the staff review of the UUSA response (ML15190A297) dated July 7, 2015, to our June 28, 2015, Request for Additional Information (ML15180A082). Requirements 5 thru 10 are satisfied by the commitments made in this amendment request and the approved Radiation Protection Program described in the most recent UUSA Safety Analysis Report.

As stated in NUREG-1556, Volume 7 for R&D facilities, an application for a license will be approved if the requirements of 10 CFR 30.33 are met, and the licensee possess and use only those sealed sources and devices that are either specifically approved or registered by NRC, or an Agreement State.

This means that a separate safety evaluation of the individual sources is not required. Certification of sealed sources is performed by NRC or an Agreement State before authorizing a manufacturer (or distributor) to distribute them to specific licensees. The safety evaluation is documented in a Sealed Source and Device (SSD) Registration Certificate. Information on SSD registration certificates may be obtained by contacting the Registration Assistant by calling NRC's toll-free number (800) 368-5642, extension 415-7231.

Thus, the applicant has demonstrated compliance with 10 CFR 30.33 and is approved to acquire and utilize the requested sources. Your amended license, Amendment No. 66, modified as shown below, is enclosed.

6. Source and/or Special Nuclear Material and/or Byproduct Material	7. Chemical and/or Physical Form	8. Maximum amount that licensee may possess at any one time under this license
Ba-133	Sealed per 10 CFR 30.32(g)(1)	4.OOE+2 pCi
Co-60	Sealed per 10 CFR 30.32(g)(1)	1.OOE+2 pCi
TC-99	Sealed per 10 CFR 30.32(g)(1)	1.OOE+2 pCi

In accordance with 10 CFR 2.390 of the U.S. Nuclear Regulatory Commission's "Agency Rules of Practice and Procedure," a copy of this letter and the enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's Agency wide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

A. Johnson

3

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c) (11).

Work performed under Technical Assignment Control No. 34326 is complete and is now closed. If you have any questions regarding this letter, please contact Mr. Michael Raddatz of my staff at (301) 415-7391, or via email at [Michael.Raddatz@nrc.gov](mailto:Michael.Raddatz@nrc.gov).

Sincerely,

**/RA/**

Thomas A. Grice, Branch Chief  
Enrichment and Conversion Branch  
Division of Fuel Cycle Safety, Safeguards,  
and Environmental Review  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 70-3103  
License No.: SNM-2010

Enclosure:  
Amendment No. 66 to SNM-2010

A. Johnson

3

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c) (11).

Work performed under Technical Assignment Control No. 34326 is complete and is now closed. If you have any questions regarding this letter, please contact Mr. Michael Raddatz of my staff at (301) 415-7391, or via email at [Michael.Raddatz@nrc.gov](mailto:Michael.Raddatz@nrc.gov).

Sincerely,

**/RA/**

Thomas A. Grice, Branch Chief  
Enrichment and Conversion Branch  
Division of Fuel Cycle Safety, Safeguards,  
and Environmental Review  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 70-3103  
License No.: SNM-2010

Enclosure:  
Amendment No. 66 to SNM-2010

**ML15195A258**

<b>OFFICE</b>	NMSS/ECB	NMSS/ECB	NMSS/ECB
<b>NAME</b>	MRaddatz	DMiller	TGrice
<b>DATE</b>	7/15 /15	7/ 15 /15	7/ 20/15

**OFFICIAL RECORD COPY**