



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

June 28, 2016

Gary J. Laughlin, Chief Nuclear Officer
and Head of Operations
URENCO USA
P.O. Box 1789
Eunice, NM 88231

SUBJECT: LOUISIANA ENERGY SERVICES, L.L.C., URENCO USA FACILITY, DOCKET
NUMBER 70-3103, AUTHORIZATION TO INTRODUCE URANIUM
HEXAFLUORIDE INTO CASCADE 5.11

Dear Mr. Laughlin:

This letter confirms the U.S. Nuclear Regulatory Commission's (NRC's) authorization to introduce uranium hexafluoride into Cascade 5.11 at the Louisiana Energy Services, URENCO USA Facility located in Eunice, New Mexico. This letter authorizes normal operations and re-feed operations for Cascade 5.11. This authorization is pursuant to the provisions of Title 10 of the *Code of Federal Regulations* (10 CFR) Part 70, Paragraph 70.32(k) and 10 CFR 40.41(g) that states, "No person may commence operation of a uranium enrichment facility until the Commission verifies through inspection that the facility has been constructed in accordance with the requirements of the license."

This NRC authorization is based on the results of construction and quality assurance inspections of various aspects of Assay 5 in Separation Building Module (SBM)-1005, as described in the inspection reports listed in the Enclosure. The NRC staff determined that the systems, structures, and components designed to support safe operation of Cascade 5.11 were constructed in accordance with the requirements of your license. Specifically, our inspections provided: (1) reasonable assurance that the design, construction, and implementation of items relied on for safety (IROFS) will protect against natural phenomena and the consequences of potential accidents; (2) verification that the Quality Assurance Program was adequately implemented during construction; and (3) verification that the construction of the IROFS was completed in accordance with the documents comprising the license and the Integrated Safety Analysis Summary.

Please note that this authorization does not apply to any Cascades other than Cascade 5.11, and it does not apply to processes or components associated with future phases of facility operations.

In accordance with Title 10 of the *Code of Federal Regulations* Section 2.390 of the NRC's "Rules of Practice and Procedure," the inspection reports that describe the construction and quality assurance inspections of Cascade 5.11, a copy of this letter, and its enclosure are available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of ADAMS at <http://www.nrc.gov/reading-rm/adams.html>. See the enclosure for the ADAMS accession numbers.

Should you have any questions concerning this letter, please contact Mr. Marvin Sykes at 404-997-4629.

Sincerely,

/RA/

Mark S. Lesser, Director
Division of Fuel Facility Inspection

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

Enclosure:
Construction and Quality Assurance Inspection
Reports for Assay 5 in SBM-1005 as they
Pertain to Cascade 5.11

cc: (See page 3)

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Should you have any questions concerning this letter, please contact Mr. Marvin Sykes at 404-997-4629.

Sincerely,
/RA/
 Mark S. Lesser, Director
 Division of Fuel Facility Inspection
 Region II

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 Pertain to Cascade 5.11

cc: (See page 3)

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 PUBLIC

☒ PUBLICLY AVAILABLE ☐ NON-PUBLICLY AVAILABLE ☐ SENSITIVE ☒ NON-SENSITIVE

ADAMS: ☒ Yes ACCESSION NUMBER: ML16180A250 ☒ SUNSI REVIEW COMPLETE ☒ FORM 665 ATTACHED

OFFICE	RII:DFFI	RII:DFFI					
SIGNATURE	/RA/	LPitts for					
NAME	NMorgam	MSykes					
DATE	6/27/2016	6/28/2016					
E-MAIL COPY	YES NO	YES NO					

OFFICIAL RECORD COPY DOCUMENT NAME: G:\DFFI\PROJECTS BRANCH 1\LES - URENCO\2016\CASCADE 5-11
 AUTHORIZATION LETTER (003).DOCX

cc:

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cc: (Cont'd on page 4)

(cc: cont'd)

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Austin, TX 78756-3189

**Construction and Quality Assurance Inspection Reports for Assay 5 in SBM-1005 as
They Pertain to Cascade 5.11**

Inspection Report Number	ADAMS Accession Number
2013-002	ML13116A175
2013-003	ML13210A291
2013-005	ML14031A285
2013-006	ML13214A141
2014-005	ML15029A031
2015-002	ML15111A280
2015-003	ML15210A003
2015-004	ML15301A020
2015-005	ML16026A360
2015-006	ML15058A712
2016-002	ML15058A712
2016-003	Pending