

SEP 10 2012

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Attn: Document Control Desk  
Director  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Louisiana Energy Services, LLC  
URENCO USA Facility  
NRC Docket No. 70-3103; License No. SNM-2010

Subject: Supplemental Environmental Report in Support of License  
Amendment Request Associated with Capacity Expansion of  
URENCO USA Facility

Pursuant to 10 CFR 51.60(a), Louisiana Energy Services, LLC (dba "UUSA") hereby submits (see Enclosure) its Supplemental Environmental Report (Supplemental ER) for the URENCO USA (UUSA) Facility. This document supports UUSA's upcoming License Amendment Request (LAR) associated with the planned capacity expansion of the UUSA Facility. UUSA intends to submit the LAR within the next few weeks.

As we have discussed with your Staff, UUSA is submitting the Supplemental ER at this time in order to allow the NRC to begin the environmental review of the associated license amendment request as early as possible; and, according to NRC Project Management, this early submittal of the Supplemental ER does not require an Exemption.

The proposed action is the issuance of a license amendment under 10 CFR 70, 10 CFR 30, and 10 CFR 40 that would authorize UUSA to possess and use special nuclear material (SNM), source material (SM) and byproduct material, and to expand the capacity of its existing uranium enrichment facility. Production capacity at design throughput is proposed to be expanded to 10 million separative work units (MSWU).

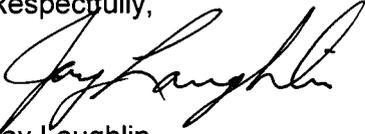
In accordance with 10 CFR 51.60(a), the enclosed Supplemental ER for the planned license amendment updates or supplements the information contained in the ER previously submitted for initial licensing. The Supplemental ER provides a description of the proposed action, an analysis or alternatives, an assessment of the environmental impacts of the proposed expansion, and a description of mitigation measures. For ease of reference, the format of the Supplemental ER generally follows that of the original ER, but is focused on the environmental impacts of changes related to the proposed facility capacity expansion. Accordingly, some sections of the original ER may not be included or are included in truncated form because they are relevant only to the original construction. Where applicable to the analysis of the proposed facility capacity expansion, the Supplemental ER has incorporated portions of the original ER.

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UUSA is prepared to work closely with the NRC Staff to expedite the review of the Supplemental ER and associated license amendment; and looks forward to continued interaction with the Staff.

Should the NRC have questions regarding the information in this transmittal, please contact Perry Robinson, VP of Regulatory Affairs and General Counsel, at 575.394.6598.

Respectfully,

A handwritten signature in black ink, appearing to read "Jay Laughlin", written in a cursive style.

Jay Laughlin  
Chief Nuclear Officer and Head of Technical Services

Enclosure: Supplemental Environmental Report for Facility Capacity Expansion Request

cc:

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