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ATTN: Document Control
Director,
Office of Nuclear Material Safety and Safeguards
U.S Nuclear Regulatory Commission
Washington, D.C. 20555-0001

Louisiana Energy Services, LLC
NRC Docket Number: 70-3103

Subject: CRDB Multi-Functional Decontamination Train Authorization

URENCO USA (UUSA) has completed the installation of equipment, together with implementation of the relevant processes and controls necessary for operation of the Multi-Functional Decontamination Train (MFDT) in the Cylinder Receipt and Dispatch Building (CRDB).

Two ISA Summary Accident Sequences will be applicable upon start-up of this new train: these sequence identifiers are DS1-4 and DS1-5. All unmitigated accident sequences would result in high consequences to the worker and to the public, thus IROFS are required. The new IROFS required to be implemented in this area are administrative IROFS15 and IROFS24c

Accident sequences DS1-4 and DS1-5 are identified as applicable to the MFDT. The IROFS applicable to prevent the consequences associated with this accident sequence are IROFS15 and IROFS24c, respectively. IROFS15 is an enhanced administrative IROFS that will be utilized to limit the transfer of uranic material into the MFDT to non-enriched uranic material (i.e., enrichment ≤ 0.711 wt. % U-235). IROFS24c is an enhanced administrative IROFS that establishes airflow away from the worker to ensure consequences to the worker and public are kept low.

As demonstrated in NCS-CSE-034, Nuclear Criticality Safety Evaluation of the LECTS Room, and NCS-CSE-033, NCSE of the Decontamination workshop, IROFS27a and IROFS27b are not applicable to placing the MFDT into Operations with continued operation of the LECTS. This is due to the size and expected material to be present during this Operation.

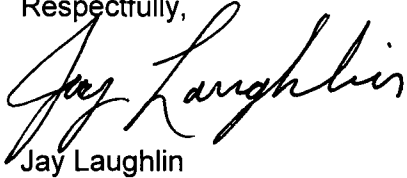
Consistent with the SAR, Section 12 (Phased Operations), IROFS36a (Limit Transient Combustible Loading – Fire), IROFS39a (Worker Evacuation - Seismic), IROFS39b (Worker Evacuation - Fire), IROFS39c (Worker Evacuation – Chemical Release) and IROFS39d (Worker Evacuation – Severe Weather) are applicable to the LECTS Room and the Decontamination Workshop.

NIMSS01

UUSA respectfully requests authorization to place the MFDT in service at NRC's earliest convenience. Upon achieving operation of the MFDT, UUSA will be able to further minimize waste by recycling contaminated parts through the decontamination process.

Should there be any questions concerning this submittal, please contact Timothy Knowles, UUSA Licensing and Performance Assessment Manager, at 575-394-6212.

Respectfully,

A handwritten signature in black ink, appearing to read "Jay Laughlin". The signature is written in a cursive style with a large, sweeping initial "J".

Jay Laughlin

Chief Nuclear Officer and Head of Operations

CC:

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