



OCT 21 2008

NEF-08-00268-NRC

Director
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
11555 Rockville Pike
Rockville, MD 20852

Louisiana Energy Services, LLC
National Enrichment Facility
NRC Docket No. 70-3103

Subject: Request for Additional Information Response for the Separations Building
Modules License Amendment Request

- Reference:
- 1) NEF-08-00095-NRC, Letter from LES to NRC, License Amendment Request for the National Enrichment Facility to provide an alternate sole Item Relied On For Safety (IROFS) for minimizing UF₆ releases after a Design Basis Earthquake (DBE) (LAR-08-07), May 28, 2008.
 - 2) IN-08-00156-NRC, NRC Request for Additional Information on the Separations Building Modules License Amendment Request (LAR-08-07), September 30, 2008.
 - 3) NEF-08-00182-NRC, Letter from LES to NRC, Results of Final Criticality Calculations and commitment for the Quality Assurance (QA) Plan that will be imposed for Quality Level (QL)-2N requirements, July 24, 2008.

On May 28, 2008, Louisiana Energy Services (LES) requested an amendment to the Materials License for the National Enrichment Facility to authorize changes in the applicability of IROFS for the Separations Building Modules (SBMs) for natural phenomena events (Ref. 1).

LES received a Request for Additional Information (RAI) from the NRC on September 30, 2008 (Ref. 2). Enclosure 2 provides the LES response to the NRC's RAI. Enclosures 3, 4, 5 and 6 are the calculations requested in Questions 6 and 12 of the NRC RAI. Reference 3 contains the final criticality calculations and commitment for the Quality Assurance (QA) Plan that were developed in support of the initial LES LAR-08-07 (Ref.1). This calculation is applicable to the LAR-08-07 revision submittal being transmitted under separate cover. LES requests that the

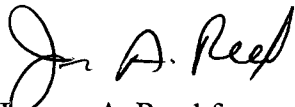
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information contained in Enclosures 2, 3, 4, 5 and 6 to this letter be withheld from public disclosure pursuant to Title 10 of the Code of Federal Regulations Part 2.390(a)(4). An affidavit requesting the withholding of information provided in the license amendment request is provided in Enclosure 1, as required by Title 10 of the Code of Federal Regulations Part 2.390(b)(1).

In addition to this RAI response, LES is transmitting under separate cover letter a revision to its License Amendment Request (LAR-08-07) that makes changes related to the structural design, the designation of Items Relied on for Safety, and the implementation of the Quality Assurance Program. These changes were discussed with members of your staff in a telecom on September 17, 2008 and September 22, 2008.

If you have any questions, please direct them to Steve Cowne, Quality and Regulatory Affairs Director, at 505-394-5253.

Respectfully,



Jerome A. Reed for
Gregory OD Smith
Chief Operating Officer and Chief Nuclear Officer

- Enclosures:
- 1) Affidavit
 - 2) RAI Response for SBM LAR-08-07
 - 3) ETC Calculation, Risk of Nuclear Criticality Induced by a Seismic Event Affecting the NEF Cascade System
 - 4) ETC Calculation, Risk of Criticality Induced by a Seismic Event Affecting the NEF
 - 5) Areva Calculation, Assessment of Local Intense Precipitation at NEF for ISA and Design Basis
 - 6) Areva Calculation, Local Intense Precipitation Flood Study for the NEF Site

cc:

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