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NEF-08-00283-NRC

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

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

Subject: Safety Analysis Report Update

Reference: 1) NEF-08-00221-NRC, Letter from LES to NRC, Emergency Plan and Fundamental Nuclear Material Control Plan Updates, dated September 4, 2008.
2) NEF-08-00263-NRC, Letter from LES to NRC, Environmental Report Update, October 30, 2008.

In accordance with 10 CFR 70.72(c), Louisiana Energy Services (LES) is allowed to make changes to Licensing Basis Documents under LES' approval authority. LES is required to furnish any changes made under such authority to the NRC in accordance with 10 CFR 70.72(d)(2) within 30 days of the end of the calendar year. LES has previously been submitting changes to the Integrated Safety Analysis Summary and Environmental Report at the same interval. LES is in the process of submitting current revisions of all of our Licensing Basis Documents for the NRC to better prepare for the Hot Acceptance Testing Readiness Review.

Previously, LES submitted an update to the Emergency Plan and Fundamental Nuclear Material Control Plan on September 4, 2008 (Ref. 1). LES also submitted an update to the Environmental Report on October 30, 2008 (Ref. 2). LES and ET-US Security Documents and the Quality Assurance Program Description have requirements to submit changes to the NRC within 30 days of making changes and thus the NRC has the current revision of these documents. This letter provides an update to the Safety Analysis Report. As a result of this submittal and with exception to the Integrated Safety Analysis Summary, updates of all Licensing Basis Documents have been transmitted to the NRC.

Attached as Enclosure 1 are the marked up pages to the Safety Analysis Report as a result of each revision. Changes were made under revisions 16a through 16g and a description of each change is provided in the revision history. Revision bars, strikethroughs and underlines were utilized. A complete copy of the Safety Analysis Report without revision bars, strikethroughs or underlines is attached as Enclosure 2.

LES is preparing a submittal for our Integrated Safety Analysis Summary and will be submitting that separately.

If you have any questions, please contact Stephen Cowne, Quality and Regulatory Affairs Director at (575) 394-4646.

Respectfully,



Gregory OD Smith
Chief Operating Officer and Chief Nuclear Officer

- Enclosures: 1) Marked up versions of the Safety Analysis Report, showing changes made under revisions 16a through 16g
2) Clean copy of the Safety Analysis Report, Revision 17

CC:

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Enclosure 1

Marked up versions of the Safety Analysis Report
showing changes made under revisions 16a through 16g

Summary of Changes for Revision 16

Issue/ Date	Change	Description of Change
16a 02/21/08	LBDCR-08-0003 01/08/08	Transfer the responsibility for ensuring that testing commitments and regulatory requirements are met from the HS&E Director to the Licensing Director
	LBDCR-07-0051 01/11/08	Correct a title change from HS&E Manager to HS&E Director missed by a previous change package.
	LBDCR-07-0037 01/11/08	Add liquid hydrogen fluoride to the list of potential hazards present at the facility.
16b 03/10/08	LBDCR-07-0046 02/28/08	SAR 7.5, Fire Protection and Emergency Response in Section 7.5.1.1.1 "System Description" Changes the two (2) 1000 gpm fire pumps to 1500 gpm pumps.
16c 03/28/08	LBDCR-08-0010 03/13/08	Delete the procedure number referenced
	LAR-07-04 03/14/08	Incorporate page changes for License Amendment Request LAR-07-04 submitted in Letter NEF-07-0202-NRC
	LBDCR-08-0032 03/27/08	Incorporate reorganization changes
	LBDCR-08-0019 03/05/08	Per CC-EG-2006-0027/CC-EG-2006-0028/CC-EG-2007-0261, update the description of the Security Building, Security Systems, and Administration Building
16d 06/20/08	LBDCR-08-0028 03/14/08	Identify educational requirement for some positions
	LBDCR-08-0031 4/16/08	Per CC-EG-2008-0007, changed to reflect latest design.
	LBDCR-08-0037 4/14/08	Per CC-EG-2008-0048, replace epoxy coating on NEF walls with a water based paint coating.

Summary of Changes for Revision 16		
Issue / Date	Change	Description of Change
16d 06/20/08	LAR-07-01 02/08/08	Overturning and Sliding, Vertical Seismic Response Spectra
	LBDCR-08-0048 6/02/2008	Per CC-EG-2008-0070, addition of 3 gates on the ISO PAD on the security fence.
	LAR-07-02 04/24/08	CAB Downgrade
	LBDCR-08-0046 6/12/2008	Organization change
	LAR-07-03 05/09/08	Restructure of the organization
	LBDCR-08-0033 06/02/08	Per CC-EG-2008-0090, reducing level of detail in section 11.2.4.2
16e 07/23/08	LBDCR-07-0052 06-20-08	Correct wording related to the clean environment within the SAR and ISA and clarify its purpose.
	LBDCR 08-0049 06-24-08	Conducts an OAR of the CAB mechanical systems
	LBDCR 08-0031 04-16-08	Adds a dedicated Process Water Storage Tank and Potable Water Storage Tank
	LBDCR 08-0058 06-30-08	Editorial change to clarify the results of the Needs/Job Analysis.
	LBDCR-08-0034 04-16-08	Change location/routing of the original CO2 pipeline
	LBDCR-08-0056 07-16-08	Describe IROFS affect by CAB downgrade, account for applicable IROFS and communicate the basis for elimination of IROFS3 and C18 from CAB

Summary of Changes for Revision 16

Issue / Date	Change	Description of Change
16e	LBDCR-08-0017 06-30-08	Conform to the current fire protection design.
	LBDCR-08-0050 06-23-08	OAR for CAB as QA-3 rather than QA-1
	LBDCR-08-0072 07-14-08	Information Manager's title changed to Information Services Manager. (missed in LBDCR-08-0046). Editorial Change.
	LBDCR-08-0075 07-22-08	Change the APF for positive pressure for respirator fit test
16f 08/12/08	LBDCR-08-0076 07-25-08	Automatic wet pipe sprinkler systems were added to the CAB
	LBDCR-08-0077 07-25-08	Incorporate the site fire pump design
	LBDCR-08-0079 07-25-08	Changes the use of Class I standpipes and 2 ½ " hose lines by the fire brigade
	LBDCR-08-0080 07-25-08	Update the fire protection and alarm design
	LBDCR-08-0052 07-28-08	CAB downgrade from QA-1 to QA-3 for footers, slab and steel shell
	LBDCR-08-0083 07-29-08	Revise the design of I-IVAC systems serving the CAB
	LBDCR-08-0015 07-29-08	Description / Actual set up of training requirements
	LBDCR-08-0082 07-28-08	Removed portion of the elevated slab.

Summary of Changes for Revision 16		
Issue / Date	Change	Description of Change
16f Continued	LBDCR-08-0088 07-31-08	Loading docks and associated components added to CAB
	LBDCR-07-0042 07-30-08	Changes to the Emergency plan, and fire brigade
16g 09-19-08	LBDCR-08-0092 08-25-08	Update the fire protection water system P&IDs
	LBDCR-07-0038 08-25-08	Remove language that could be misinterpreted as restricting excavation depth and change language committing to one year of preoperational environmental monitoring. Also clarify use of onsite lab and independent lab.
	n/a	Incorporation of changes from LBDCR-08-0015 that did not transfer into Rev 16g and subsequently Rev 16f. This adds the previously approved changes back in.
	LBDCR-08-0084 09-02-08	Update the fire protection water refill process.
	LBDCR-08-0093 09-09-08	Description of the fire protection water demand to cite the NFPA requirements.
	LBDCR-08-0087 09-11-08	Remove statements that IROFS related test/maintenance procedures will identify qualification of personnel performing procedures.
	LBDCR-08-0094 09-17-08	Clarifications & descriptive changes to Preoperational Testing Program