

April 11, 2005

MEMORANDUM TO: Joseph G. Giitter, Chief  
Special Projects Branch  
Division of Fuel Cycle Safety  
and Safeguards

THRU: Brian W. Smith, Chief /RA/  
Gas Centrifuge Facility Licensing Section  
Special Projects Branch, FCSS

FROM: Timothy C. Johnson, Project Manager /RA/  
Gas Centrifuge Facility Licensing Section  
Special Projects Branch, FCSS

SUBJECT: MARCH 24, 2005, TELEPHONE SUMMARY: LOUISIANA  
ENERGY SERVICES DISCUSSIONS ON QUALITY  
ASSURANCE AND CRITICALITY

On March 24, 2005, the U.S. Nuclear Regulatory Commission (NRC) staff held a telephone conference call with staff from Louisiana Energy Services (LES) to discuss quality assurance and criticality issues related to the LES uranium enrichment plant proposed to be built in Eunice, New Mexico. I am attaching the telephone summary for your use. No classified or proprietary information was discussed.

Docket: 70-3103

Attachment: Louisiana Energy Services  
Telephone Summary

cc:	William Szymanski/DOE	Claydean Claiborne/Jal	Rod Krich/LES
	Monty Newman/Hobbs	James Curtiss/W&S	Troy Harris/Lovington
	Peter Miner/USEC	Betty Richman/Tatum	James Ferland/LES
	Glen Hackler/Andrews	Lue Ethridge/Lea Cty	John Parker/NMED
	James Brown/Eunice	Richard Ratliff/Texas	Michael Marriotte/NIRS
	Jerry Clift/Hartsville	Carol O'Claire/Ohio	Lee Cheney/CNIC
	Derrith Watchman-Moore/NMED	Joseph Malherek/PC	Ron Curry/NMED
	Tannis Fox/NMED	Patricia Madrid/NMAG	Glenn Smith/NMAG
	Lindsay Lovejoy/NIRS		

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<b>OFC</b>	GCFLS		GCFLS		MOFLS		TSG		GCFLS	
<b>NAME</b>	TJohnson:bkh1		LMarshall		PBell		HFelsher		BSmith	
<b>DATE</b>	4/4/05		4/4/05		4/7/05		4/11/05		4/11/05	

**OFFICIAL RECORD COPY**

## Telephone Conference Call Summary

### Quality Assurance and Criticality

Date and Time: 3:00 PM; March 24, 2005

Call Participants:	P. Bell/NRC	J. Klein/NRC
	B. Smith/NRC	H. Felsher/NRC
	T.C. Johnson/NRC	R. Krich/LES
	D. Green/Excel	

On March 24, 2005, a conference call between U.S. Nuclear Regulatory Commission (NRC) and Louisiana Energy Services (LES) staffs was held to discuss quality assurance and criticality issues related to LES' application for a uranium enrichment facility proposed to be located in Eunice, New Mexico.

#### Discussion:

In preparation for a quality assurance audit of LES, NRC and LES discussed the scope of the upcoming audit. Because equipment design and procurement activities are in their initial stages, it was decided that the audit would focus on the processes and procedures associated with the preparation of the Integrated Safety Analysis (ISA). This would include evaluating the interfaces between LES and its principal contractor for development of the ISA, Framatome and the change control and configuration management processes used.

LES also indicated that procurement for hardware and specification preparation would be started in the Fall of 2005. At this time, operating procedures have not been developed.

NRC confirmed that the quality assurance audit would take place on April 4 and 5, 2005, at the Marlborough, MA, offices of Framatome.

In the area of nuclear criticality safety, NRC staff discussed the LES commitment to the 1998 version of the American National Standards Institute/American Nuclear Society (ANSI/ANS) 8.1, "Nuclear Criticality Safety in Operations with Fissionable Materials Outside Reactors," for certain processes as well as the LES commitment to the 1988 version of the standard in other processes. NRC endorsed, with exception, the 1988 version of ANSI/ANS-8.1 in the 1998 version of NRC Regulatory Guide 3.71, "Nuclear Criticality Safety Standards for Fuels and Nuclear Facilities." In the SAR, LES committed to NRC Regulatory Guide 3.71 with a few modifications. NRC is in the process of updating NRC Regulatory Guide 3.71, which will have an endorsement with exception of the 1998 version of ANSI/ANS-8.1. Since NRC's expectation of using the ANSI/ANS standard will not have changed, but there is a change in the standard, this requires a change in the endorsement with exception of the ANSI/ANS standard. LES indicated that it would revise the SAR to be consistent with the revised endorsement with exception of the 1998 version of ANSI/ANS-8.1. NRC staff agreed to provide by e-mail the new wording for the endorsement with exception of the 1998 version of ANSI/ANS 8.1.