

March 15, 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 9, 2005, TELEPHONE SUMMARY: LOUISIANA  
ENERGY SERVICES DISCUSSIONS ON EFFLUENT SAMPLING

On March 9, 2005, the U.S. Nuclear Regulatory Commission (NRC) staff held a telephone conference call with staff from Louisiana Energy Services (LES) to discuss effluent sampling 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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OFC	GCFLS		GCFLS		MOFLS		GCFLS	
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DATE	3/14/05		3/14/05		3/14/05		3/15/05	

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## Telephone Conference Call Summary

### Revised Standard for Air Effluent Sampling and Monitoring

Date and Time: 2:00 PM; March 9, 2005

Call Participants:	D. Brown/NRC	J. Klein/NRC
	B. Smith/NRC	T.C. Johnson/NRC
	D. Green/Excel	

On March 9, 2005, a conference call between U.S. Nuclear Regulatory Commission (NRC) and Louisiana Energy Services (LES) staffs was held to discuss effluent sampling issues related to LES' application for a uranium enrichment facility proposed to be located in Eunice, New Mexico.

#### Discussion:

In Section 4.7 of the LES Safety Analysis Report, LES states it will perform air effluent monitoring in a manner which is consistent with the guidance provided in ANSI/ANS N13.1-1969 (R1993), "Guide to Sampling Airborne Radioactive Materials in Nuclear Facilities." In Section 6.1 of the Environmental Report, LES states that it will perform continuous monitoring and periodic sampling of the gaseous effluent in accordance with NRC Regulatory Guide 4.16. Regulatory Guide 4.16 cites "ANSI/ANS N13.1-1982" in its bibliography. However, the 1969 ANS standard was merely reaffirmed in 1982 with no substantial revisions, and should have been cited in Regulatory Guide 4.16 as "ANSI/ANS N13.1-1969 (R1982)."

Standard ANSI/ANS N13.1-1969 was revised in 1999 and differs significantly from the earlier version. The revised standard, ANSI/Health Physics Society (HPS), "Sampling and Monitoring Releases of Airborne Radioactive Substances from the Stacks and Ducts of Nuclear Facilities," (ANSI/HPS N13.1-1999), is a performance-based standard rather than one based on prescriptive rules. Among other changes, a requirement for multi-point isokinetic sampling has been eliminated. The old requirement is replaced by quantitative performance metrics for representative sampling.

LES staff indicated that it will now use the newer standard and modify applicable pages in the Environmental Report and Safety Analysis Report. This approach is acceptable to the NRC staff.