

July 13, 2004

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 /RA/
Senior Mechanical Systems Engineer
Gas Centrifuge Facility Licensing Section
Special Projects Branch, FCSS

SUBJECT: JUNE 28, 2004, TELEPHONE SUMMARY: LOUISIANA
ENERGY SERVICES REQUESTS FOR ADDITIONAL
INFORMATION

On June 28, 2004, U.S. Nuclear Regulatory Commission (NRC) staff held a telephone conference call with staff from Louisiana Energy Services (LES) to discuss the LES responses to Requests for Additional Information in the areas of instrumentation and controls, general information, and radiation protection. I am attaching the telephone summary for your use. The summary contains no proprietary or classified information.

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	Dennis Holmberg/Lea Cty	William Floyd/NMED
	James Brown/Eunice	Richard Ratliff/Texas	M. Marriotte/NIRS
	Jerry Clift/Hartsville	CO'Claire/Ohio	Lee Cheney/CNIC
	Derrith Watchman-Moore/NMED	Joseph Malherek/PC	Ron Curry/NMED
	Clay Clark/NMED	Patricia Madrid/NMAG	Glen Smith/NMAG
	Lindsay Lovejoy/NIRS		

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Telephone Conference Call Summary

Instrumentation and Controls

Date and Time: 1:00 PM; June 28, 2004

Call Participants:	R. Shaffer/NRC	W. Troskowski
	B. Smith/NRC	T.C. Johnson/NRC
	R. Krich/LES	D. Green/LES
	D. Pepi/LES	G. Harper/LES

During the conference call, staff discussed the Louisiana Energy Services (LES) plans for completing the final design of the uranium enrichment facility. In all the instrumentation and controls (I&C) Requests for Additional Information (RAIs), LES indicated that detailed final design information is not yet available. LES staff indicated that an architect-engineer will be selected in August and design work will continue at least through the end of the year. LES' objective is to address interface issues for Items Relied on for Safety (IROFS) and non-safety systems using the IROFS boundary definition procedure, DP-ISA-1.1, provided in the response to the RAIs. At this time, the planned functions of IROFS are as provided in the Safety Analysis Report. While it is possible that functions may change in the future, LES staff would inform the NRC as soon as possible. NRC staff indicated that it would further consider the IROFS boundary procedure for I&C issues and discuss any further clarifications needed.

For the response to RAI ISA-20, NRC asked what the arrows on the I&C architecture block diagram signified. LES explained that these represent alarms and none of the alarms are IROFS. In addition, there is no imbedded software in the system that are IROFS. The IROFS instrumentation is all analog. LES indicated that the failure probabilities are based on the guidance in NUREG-1520, "Standard Review Plan of the Review of a License Application for a Fuel Cycle Facility." LES also stated that reverse scenario sequences are symmetrical and no additional separate scenarios need to be identified and evaluated. This information was sufficient to clarify the LES response to this RAI.

For the response to RAI ISA-21, NRC asked about the automatic weight trips applicable to the Take-Off Systems. LES indicated that it evaluated this component and determined that it is not needed as an IROFS. To control overfilling, IROFS38 is an operator function to check cylinder weigh status at least once per shift. Cylinder filling takes multiple days to complete. This information was sufficient to clarify the LES response to this RAI.

For the response to RAI ISA-24, NRC staff asked if electrical power is required for the cascade mobile sampling rig. LES staff indicated that it is not required to maintain IROFS and that the rig would failsafe on loss of power.

For the responses to RAI ISA-27, ISA-28, and ISA-29, NRC staff concerns relate to IROFS boundary definitions. NRC staff indicated that it will further consider the IROFS boundary definition procedure, and, if necessary, discuss any further clarifications needed.

Telephone Conference Call Summary

Radiation Protection

Date and Time: 2:00 PM; June 28, 2004

Call Participants:	R. Shaffer/NRC	W. Troskowski
	B. Smith/NRC	T.C. Johnson/NRC
	D. Brown/NRC	R. Krich/LES
	D. Green/LES	G. Harper/LES
	D. Pepi/LES	

In the telephone conference, NRC staff discussed the response to ISA-41 related to the environmental performance requirement. LES indicated in the response that it is going to change the restricted area boundary. NRC staff requested that the distances shown in Table 3.3-1 be updated to reflect the change in the restricted area boundary and that LES provide a restricted area boundary definition. LES agreed to do this. LES also indicated that as a result of changing the restricted area boundary, they may make additional changes to the SAR, security plan, and emergency plan.

Telephone Conference Call Summary

General Information

Date and Time: 2:15 PM; June 28, 2004

Call Participants:	R. Shaffer/NRC	W. Troskowski
	B. Smith/NRC	T.C. Johnson/NRC
	D. Brown/NRC	R. Krich/LES
	D. Green/LES	G. Harper/LES
	D. Pepi/LES	

In the telephone conference, NRC staff discussed the response related to GI-5 related to the proposed nuclide possession limits. In the response, NRC staff requested that LES reconsider the practical implications for not including a nominal possession limit for Tc-99, which could be introduced into the plant as trace levels of contamination from previously used cylinders even though the cylinders meet the ASTM C787 standard. LES agreed to reconsider its position. LES also indicated that it will not accept materials contaminated with transuranics, and, therefore, is not requesting possession of these materials.