October 27, 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, Project Manager /RA/
Gas Centrifuge Facility Licensing Section
Special Projects Branch, FCSS

SUBJECT: OCTOBER 19, 2004, TELEPHONE SUMMARY: LOUISIANA ENERGY SERVICES DISCUSSIONS ON INSTRUMENTATION AND CONTROLS

On October 19, 2004, the U.S. Nuclear Regulatory Commission (NRC) staff held a telephone conference call with staff from Louisiana Energy Services (LES) to discuss instrumentation and controls 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. The summary contains no proprietary or classified information.

Docket: 70-3103

Attachment: Louisiana Energy Services
Telephone Summary

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

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LES website - No			

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OFC	SPB		SPB		RES		SPB	
NAME	TJohnson/os		LMarshall		RShaffer		BSmith	
DATE	10/ 25/04		10/25/04		10 / 25/04		10/27/04	

OFFICIAL RECORD COPY

Telephone Conference Call Summary

Instrumentation and Controls

Date and Time: 10:00 AM; October 19, 2004

Call Participants:		
	F. Burrows/NRC	R. Shaffer/NRC
	B. Smith/NRC	T.C. Johnson/NRC
	D. Green/Excel	D. Pepe/Areva

On October 19, 2004, a conference call between U.S. Nuclear Regulatory Commission (NRC) and Louisiana Energy Services (LES) staffs was held to discuss instrumentation and controls (I&C) issues related to LES' application for a uranium enrichment facility proposed to be located in Eunice, New Mexico.

The topics for discussion included:

1. Request for specific information on the Items Relied On For Safety (IROFS), including manufacturer data, part and model numbers, etc.;
2. Examples of setpoint calculations for IROFS to demonstrate conservative setpoints;
3. Request for more information on the IROFS to demonstrate independence;
4. Request for information on IROFS boundaries, with focus on administrative controls relying on monitoring instrumentation;
5. Clarification of previous commitments made by the applicant, as well as proposal for additional commitments so that the license application review could go forward. Specifically, additional commitments to the following standards and regulatory guides were requested:

    a. Institute of Electrical and Electronics Engineers (IEEE) Standard 603-1998, "IEEE Standard Criteria for Safety Systems for Nuclear Power Generating Stations."
    b. IEEE Standard 384-1992, "Standard Criteria for Independence of Class 1E Equipment and Circuits."
    c. NUREG-800, Standard Review Plan, Branch Technical Position HICB-11, "Guidance on the Application and Qualification of Isolation Devices."
    d. Regulatory Guide 1.75, Revision 2, "Physical Independence of Electric Systems."
    e. IEEE Standard 344-1987, "IEEE Recommended Practices for Seismic Qualification of Class 1E Equipment for Nuclear Generating Stations."
    f. Regulatory Guide 1.100, Revision 2, "Seismic Qualification of Electric and Mechanical Equipment for Nuclear Power Plants."
    g. ANSI/ISA-67.04.01-1996, "Setpoints for Nuclear Safety-Related Instrumentation."
    h. Regulatory Guide 1.105, Revision 3, "Setpoints for Safety-Related Instrumentation."
    i. Regulatory Guide 3.17-1974, "Earthquake Instrumentation for Fuel Reprocessing Plants." (For the seismic monitoring and trip system)
    j. IEEE Standard 338-1987, "IEEE Standard Criteria for Periodic Testing of Nuclear Power Generating Station Class 1E Power and Protection Systems."

k. NUREG-0800, Standard Review Plan, Branch Technical Position HICB-17, "Guidance on Self-Test and Surveillance Test Provisions."
l. Regulatory Guide 1.118, Revision 3, "Periodic Testing of Electric Power and Protection Systems."
m. IEEE Standard 518-1982, "IEEE Guide for the Installation of Electrical Equipment to Minimize Electrical Noise Inputs to Controllers from External Sources."
n. IEEE Standard 1050-1996, "Guide for Instrumentation and Control Equipment Grounding in Generating Stations."

Regarding the request for information in items 1-4, above, LES stated detailed design information is not yet available. In response, NRC staff stated that the intent of 10 CFR 70.22 requires final design information. However, so that the application review could go forward, NRC staff would accept additional commitments on the part of the applicant to the listed standards and regulatory guidance listed in "a" through "n," above. LES agreed to the additional commitments and stated a letter would be submitted to the NRC reflecting the new commitments.