

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 30, 2004, TELEPHONE SUMMARY: LOUISIANA  
ENERGY SERVICES REQUESTS FOR ADDITIONAL  
INFORMATION

On June 30, 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 area of fire safety. 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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**DISTRIBUTION:** Docket: 70-3103

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| <b>OFC</b>  | SPB       |  | SPB       |  | SPB      |  |
| <b>NAME</b> | TCJohnson |  | LMarshall |  | BSmith   |  |
| <b>DATE</b> | 07/09/04  |  | 07/12/04  |  | 07/13/04 |  |

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## Telephone Conference Call Summary

### Fire Safety

Date and Time: 10:00 AM; June 30, 2004

|                    |                   |              |
|--------------------|-------------------|--------------|
| Call Participants: | R. Wescott/NRC    | B. Smith/NRC |
|                    | T.C. Johnson/NRC  | R. Krich/LES |
|                    | D. Green/LES      | S. Tyler/LES |
|                    | D. Williamson/LES |              |

During the conference call, staff discussed the Louisiana Energy Services (LES) Request for Additional Information (RAI) responses related to fire safety. NRC staff asked if cylinder truck fire scenarios were evaluated for the Cylinder Receipt and Dispatch Building. The staff also asked whether the fire brigade could safely contain such a fire, or other fires involving diesel fuel and UF<sub>6</sub>, until local fire support arrived. LES staff indicated that it will look at this scenario and develop a hydraulic calculation to determine if on-site fire support equipment and hoses are capable of supporting fire fighting needs at any location on-site.

NRC staff asked if silicon oils in the multiple traps in the UF<sub>6</sub> handling area could affect fire safety. LES staff indicated that traps are in groups of 2, each containing 19 gal/trap, however, actual separation distances have not been determined. LES agreed to consider the potential for fires containing greater volumes of oil from groups of multiple traps.

NRC staff asked about the basis for limiting diesel fuel amounts to 74 gal. This amount was based on previous analyses performed by Science Applications International Corporation in the review of the previous LES licensing application. LES staff agreed to re-assess the basis for the diesel fuel limit and the assumed risk index value for these fire scenarios.

RAIs ISA-35 and FS-2 address hydrogen sources in the battery rooms and in the laboratory. NRC staff asked what subsections of National Fire Protection Association Standard NFPA 70E and American National Standards Institute Standard ANSI C2 would be used. These standards cover many areas and additional detail is needed to assess the actual programs LES will use. LES agreed to define the subsections in these standards that will be used.

RAI ISA-58 refers to enhanced administrative controls. NRC staff asked if an enhanced administrative control is still applicable to IROFS36. NRC staff also indicated that it is unclear how the index value for enhanced administrative controls for IROFS36 is justified. LES staff indicated that IROFS36 consists of several components and an index value of -3 is still appropriate. LES staff indicated that it will revise the IROFS36 scenario to clearly show its basis.