

NOV 29 1989

Project No. M-45

MEMORANDUM FOR: Glen L. Sjoblom, Acting Chief
Fuel Cycle Safety Branch
Division of Industrial and
Medical Nuclear Safety, NMSS

FROM: Peter Loysen, Licensing Project Manager
Advanced Fuel and Special
Facilities Section
Fuel Cycle Safety Branch
Division of Industrial and
Medical Nuclear Safety, NMSS

SUBJECT: SUMMARY OF MEETING WITH LOUISIANA ENERGY SERVICES

The NRC staff met with representatives of Louisiana Energy Services (LES) on November 8, 1989, to continue detailed discussions on licensing matters. The topics that LES wished to discuss included uranium enrichment limits, future technical information, level of design detail in an application, future site visits, and updates on several topics which had been raised in previous meetings. In addition, LES asked that the staff describe the status of the 10 CFR Part 20 rulemaking. A list of meeting attendees is enclosed.

LES had planned to provide some initial comments on the October 31, 1989, letter from the NRC requesting information on antitrust matters. However, the letter had not been received by the time of this meeting, and no comments were proffered. Copies of the NRC letter were provided to LES at the meeting.

LES provided copies of an announcement that it had selected one of the sites it had under consideration in Claiborne Parish, Louisiana, for its plant, and that further evaluation of the site would be made. LES reiterated that it expects to formalize its partnership arrangement in February 1990, and at that time will be able to provide information to the staff about foreign ownership, domination, and control so that we may determine its eligibility to apply for and hold licenses pursuant to 10 CFR Part 50. LES also stated that it expected to transmit in about one week a letter expressing its views on it submitting and the staff reviewing an application for a combined construction permit and operating license. These views had been elicited at an earlier meeting. Also at an earlier meeting, LES had expressed concern about the NRC's use, in the ANPR on uranium enrichment regulation, of a tornado return period of 10,000 years in determining maximum design wind speeds at a site. LES now believes that it can accept such a return period for its Louisiana site. In previous discussions, LES stated that it would limit the maximum U-235 enrichment at its plant to five percent. In view of recent utility interest in higher enrichments, LES wanted to know what kind of commitment to NRC would be necessary for higher enrichments. The staff pointed out that LES could ask for authorization of any maximum enrichment in its license application, so long as that enrichment is used as one of the design bases in its analyses for radiological safety, nuclear criticality safety, physical security, and material control and accounting.

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Glen L. Sjoblom

Dr. Harold Petersen of NRC's Office of Nuclear Regulatory Research gave a briefing on the status and content of the new 10 CFR Part 20 standards for protection against radiation, with particular emphasis on any provisions and changes which might affect the proposed LES plant. Lois Telford of the Office of Administration's Division of Security informed LES that DOE has provided guidance to NRC on accessibility of classified Urenco, Ltd., and U.S. gas centrifuge information by LES personnel, including foreign nationals of Urenco, Inc. She also reported that security facility plan approvals for both Urenco, Inc., and Fluor Daniel are progressing smoothly and quickly.

Two sections of Regulatory Guide 3.25 ask applicants to describe what future technical information will need to be provided. LES asked if NRC wants something specific in these sections. Inasmuch as no new technology or features are to be developed that will not be described in the application, the staff does not expect LES to include anything in these sections. In fact, if the application is for a combined construction permit and operating license, the application should contain a complete, final safety analysis report without any need for future information. A lengthy discussion ensued about the level of detail that should be provided for design and design commitments in the application. LES showed some design drawings from another project as examples of the level of detail. The staff questioned the need for certain special drawings, except for complex systems where clarification might be desirable. Normal layout, schematic, and piping and instrumentation drawings would be adequate in most instances. Some examples of drawings acceptable to the staff were shown to LES. We stated that LES should avoid making commitments in the form of promises and, wherever possible, should specify the exact equipment and components that will be used in the plant. Construction-type drawings are unneeded, however, and typical drawings are acceptable for repetitive situations.

LES noted that it was preparing to initiate site evaluation work at the selected plant site, and that it would be using Duke Power Company's quality assurance program in connection with this work. LES requested that any future site visits planned by the staff be coordinated through Mr. LeRoy so that arrangements can be made for accompaniment. This coordination is agreeable, and we advised LES that a meeting of LES and headquarters and Region IV staff first needs to be held to review quality assurance requirements for site work.

We agreed to discuss such a meeting during our visit to Region IV on November 13, 1989.

Original Signed by

Peter Loysen, Licensing Project Manager
Advanced Fuel and Special
Facilities Section
Fuel Cycle Safety Branch
Division of Industrial and
Medical Nuclear Safety

Enclosure: Attendee List

Distribution:

Project M-45	PDR	NRC File Center	NMSS R/F	IMSB R/F	IMAF R/F
NMSS Off. R/F	JSwift	PLoysen	RDHurt	FBrown	
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Beveridge/Cornell, 1-23		NRC Meeting Attendees		(PL/LES MEETING REPORT)	

OFC :IMAF	:IMAF	:IMAF	:IMSB
NAME :P. Loysen	:FBrown	:JSwift	:GSjoblom
DATE :11/21/89	:11/27/89	:11/21/89	:11/29/89

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LOUISIANA ENERGY SERVICES

Meeting, November 8, 1989

Attendees

<u>Name</u>	<u>Affiliation</u>
Peter Loysen	NRC/NMSS
Chuck Nilsen	NRC/NMSS
Jesse Swords	Duke Engineering
Dick Belprez	Fluor Daniel
Patty Jehle	NRC/OGC
Gary Comfort	NRC/NMSS
Bill Mowry	Fluor Daniel
Erich Kraska	URENCO
Bill Shields	Bishop, Cook, Power & Reynolds
Roy Voegele	NRC/OGC
B. M. Bordenick	NRC/OGC
Hal Peterson	NRC/OGC
Bill Griffin	Fluor Daniel
Peter LeRoy	Duke Engineering
Howard Arnold	Louisiana Energy Ser.
Joanna Becker	NRC/OGC
Robert L. Fonner	NRC/OGC
Bill Lambe	NRC/NRR