



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

February 24, 1984

Docket No. 50-416

Mr. J. B. Richard  
Senior Vice President - Nuclear  
Mississippi Power & Light Company  
P. O. Box 1640  
Jackson, Mississippi 39205

Dear Mr. Richard:

Subject: Grand Gulf Nuclear Station, Unit 1 - Issuance of Facility  
Operating License

The U. S. Nuclear Regulatory Commission on June 16, 1982 issued Facility Operating License No. NPF-13 to Mississippi Power and Light Company, Middle South Energy, Inc., and South Mississippi Electric Power Association for the Grand Gulf Nuclear Station, Unit 1 located in Claiborne County, Mississippi. License No. NPF-13 authorizes operation of the Grand Gulf Nuclear Station, Unit 1 at five percent power (191 megawatts thermal). Authorization to operate beyond five percent is still under consideration by the NRC.

As you are aware, since the date of issuance of License No. NPF-13, serious deficiencies have been discovered in Delaval emergency diesel generators. Your facility has such equipment for both Division I and II emergency busses. In your submittal dated February 20, 1984, you discussed these deficiencies and concluded that the specific corrective actions, engineering evaluations and testing that have been completed, enhance the reliability of the DGs and provide assurance, with a reasonable level of confidence, that the Grand Gulf Nuclear Station TDI engines will adequately perform their required safety function. Further, you have met with the staff on February 21, 1984 to discuss measures to enhance onsite/offsite power supplies.

In regard to the TDI diesel generator reliability issue, the NRC staff relying on the results from the TDI Owners' Group program will determine whether acceptable bases exist to demonstrate adequate reliability of the TDI units as proposed for use in nuclear facilities. It is expected that our evaluation of the generic Owners' Group program will be completed by about a month after the submittal of the last required detailed program information. Consideration of plant-specific actions including specific proposed TDI enhancement programs will follow from that.

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Mr. J. B. Richard

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With regard to the enhancement program discussed at the February 21, 1984 meeting, you should provide a written submittal giving the details of the program and your basis for how it justifies interim operation. The staff will require on the order of a month to review that submittal. We will not recommend operation at power levels in excess of that currently authorized until our evaluation is completed. I would be pleased to discuss this matter with you further at your convenience.

Sincerely,

*Original signed by*

Darrell G. Eisenhut, Director  
Division of Licensing  
Office of Nuclear Reactor Regulation

cc: See next page

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Grand Gulf

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