



# MISSISSIPPI POWER & LIGHT COMPANY

*Helping Build Mississippi*

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March 30, 1984

NUCLEAR PRODUCTION DEPARTMENT

U. S. Nuclear Regulatory Commission  
Office of Nuclear Reactor Regulation  
Washington, D. C. 20555

Attention: Mr. Harold R. Denton, Director

Dear Mr. Denton:

SUBJECT: Grand Gulf Nuclear Station  
Unit 1  
Docket No. 50-416  
License No. NPF-13  
File: 0260/0765/L-860.0  
Shift Advisors  
AECM-84/0180

On October 26, 1983, Mississippi Power & Light Company (MP&L) submitted AECM-83/0680 which provided information related to the organization and qualification of MPL's Nuclear Production Department. Information related to the qualifications and experience of the advisors to MPL's Shift Superintendents was included with that submittal. On November 7, 1983, MP&L submitted AECM-83/0716 which provided the resumes of individuals filling the shift advisor positions at that time. On February 20, 1984, MP&L submitted AECM-84/0101 which provided a specific job description for shift advisors and committed to additional plant specific training. The purpose of this letter is to provide updated information on MP&L's shift advisors and their qualifications. This letter also provides information on the training given to shift advisors and on the methods which MP&L has used to examine shift advisors and determine the adequacy of their training and experience.

In AECM-83/0680, MP&L provided summaries of the experience of the five acting shift advisors. The resumes of these five advisors were subsequently provided in AECM-83/0716. Since the submittal of these letters, one of the advisors has been replaced. This advisor was replaced due to an upgrading of experience requirements. The new requirement is that all shift advisors have three years of experience as a licensed Reactor Operator with a minimum of one of these years at the Senior Reactor Operator (SRO) level. The five current advisors meet this requirement. The advisors collectively represent over thirty five years of licensed commercial operating experience of which more than twenty years are at the level of SRO. This level of experience along with the training and examinations which MP&L has provided will ensure that a substantial amount of BWR operating experience is available to each of MP&L's Shift Superintendents.

As stated in AECM-84/0101, MP&L has provided a significant amount of plant specific training to the shift advisors. In addition to general employee and radiation worker training, MP&L shift advisors were required to attend training in Emergency Assessment. The examination given at the end of

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the Emergency Assessment training is included as Attachment 1 to this letter. MP&L also has three separate formal training programs which shift advisors were required to complete.

The first of the three training programs consisted of a three week self-study systems course. This course is designed to place an emphasis on Grand Gulf Nuclear Station (GGNS) safety systems and the differences between a BWR-4 and a BWR-6. At the end of each week, an examination of one to two hours in length was administered. A course outline and typical examination for each of the three weeks are provided as Attachment 2 to this letter.

The second training program consisted of a seven day course covering the simulator, administrative procedures, technical specifications, and mitigation of core damage. Examinations were given in the areas of technical specifications, mitigation of core damage and administrative procedures. Simulator performance examinations were not given on this training because this training was developed to familiarize the advisors with the layout of the control room and the plant's response to certain manipulations and malfunctions, not test their ability to manipulate simulator controls. A course outline, which provides specifics on the amount of time devoted to each subject, and example examinations are included in Attachment 3 to this letter.

The third training program consisted of two weeks of hands-on simulator training. The first week was devoted to covering the areas of power ascension procedure training and the second to identification of, response to, and recovery from plant transients. During both weeks the advisors were required to manipulate simulator controls and align equipment in accordance with procedures. After each week of training, a simulator performance examination was conducted to assure the advisors had received sufficient plant specific knowledge to properly perform their advisory function. Attachment 4 to this letter includes a course outline and examples of the performance examinations which were administered.

In addition to the training and examinations referenced above, each shift advisor was required to successfully pass an Operator Training Evaluation Committee (OTEC) oral examination. The purpose of the OTEC evaluation was to certify each advisor's competency and ability to perform the required advisory function. An example of an OTEC evaluation is included as Attachment 5 to this letter.

To summarize, MP&L has retained highly qualified shift advisors. In addition, MP&L has trained and examined these individuals on GGNS plant specifics and certified their competency. It is MP&L's position that the advisors are fully qualified and will provide substantive BWR operating experience to each of our Shift Superintendents, as required by license condition 2.C.(37). MP&L will retain a qualified shift advisor on each operating shift in accordance with this license condition and our letter, AECM-84/0101. Specifically, MP&L will retain shift advisors until:

- 1) The plant achieves commercial operation,
- 2) Individual shift crews meet the experience requirements recommended by the Industry Working Group on Operating Shift Experience, and
- 3) MP&L management is completely satisfied with shift performance.

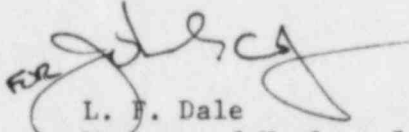
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If you have any questions on this matter please contact this office.

Yours truly,



L. F. Dale  
Manager of Nuclear Services

REW/JGC:rg  
Attachments

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