



# MISSISSIPPI POWER & LIGHT COMPANY

*Helping Build Mississippi*

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

NUCLEAR PRODUCTION DEPARTMENT

April 26, 1984

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

Attention: Mr. Harold R. Denton, Director

Dear Mr. Denton:

SUBJECT: Grand Gulf Nuclear Station  
Units 1 and 2  
Docket Nos. 50-416 and 50-417  
License No. NPF-13  
File 0260/L-860.0  
Response to Informal Request  
for Additional Information  
on ICSB Concerns  
AECM-84/0193

In response to your informal request for additional information, Mississippi Power & Light Company (MP&L) is providing the attached information regarding two proposed Technical Specification changes. These changes were provided to the NRC in MP&L letter AECM-83/0565, dated September 9, 1983, and pertain to trip setpoints for radiation monitors and the allowable value for HPCS and RCIC suction shift on high suppression pool level, Items 16 and 21, respectively, from the above referenced letter. Based on discussions held between Mr. Marty Virgilio (NRC) and MP&L representatives on March 20, 1984, MP&L committed to provide confirmatory information on the issues referenced above. This submittal contains that information.

Attachment 1 contains a discussion on Item 16 regarding revised trip setpoints for various radiation monitors. The revisions to the trip setpoints were requested in order to separate the trip setpoint value from the alarm value. Attachment 2 contains a discussion on Item 21 regarding a revision to the allowable value for HPCS and RCIC suction shift on high suppression pool level. This proposed change was provided by MP&L to ensure the Technical Specifications are consistent with current plant design.

Please advise if additional information is required.

Yours truly,

*L. F. Dale*

L. F. Dale  
Manager of Nuclear Services

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Attachments  
cc: See Page 2

Member Middle South Utilities System

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Mr. R. B. McGehee (w/a)  
Mr. T. B. Connor (w/a)  
Mr. G. B. Taylor (w/a)

Mr. Richard C. DeYoung, Director (w/a)  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

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File (Plant) (w/a)  
File (Project) (w/a) [ 5 ]

Item 16 from September 9, 1983 Submittal (MP&L P/L Item No. 111)  
Trip Setpoints for Radiation Monitors

In letter AECM-83/0565, dated September 9, 1983, MP&L submitted a proposed change to the Technical Specifications pertaining to the high-high trip setpoints for the Containment and Drywell Ventilation Exhaust, Fuel Handling Area Ventilation Exhaust, and the Fuel Handling Area Pool Sweep Exhaust Radiation Monitors. MP&L requested a revision to these setpoints in order to separate the high-high trip setpoint values from the high radiation alarm values.

The revised setpoint values were selected to ensure that off-normal conditions will be rapidly detected and that isolation will be promptly initiated. The setpoint values are based on best estimate values from engineering calculations of expected full power background radiation levels at the detector locations, plus some amount of radiation indicative of off-normal conditions. There are no accident analysis assumptions or offsite release limits directly associated with the normal trip setpoints. Following completion of the startup test program, MP&L will evaluate actual background radiation levels to select final setpoint values. The final setpoints will be provided as specified in the current Technical Specifications.

Item 21 from September 9, 1983 Submittal (MP&L P/L Item No. 114)  
Suppression Pool High Level HPCS and RCIC Suction Shift Allowable Value

In letter AECM-83/0565, dated September 9, 1983, MP&L submitted a proposed change to the Technical Specifications pertaining to the Suppression Pool Water Level - High HPCS and RCIC suction shift allowable value. MP&L has proposed to change the current allowable value of 6.5" to 7" to ensure the Technical Specifications are consistent with current plant design. The level criteria for HPCS and RCIC suction shift has not changed; only the allowable value was revised to be consistent with suppression pool level criteria.

An elevation of 111'-9 3/4" corresponds to a suppression pool volume of 138,701 ft<sup>3</sup> which is the maximum allowable suppression pool volume. This elevation also corresponds to a level of 7" in the HPCS and RCIC suction shift transmitter range. The allowable value of 7" is consistent with suppression pool volume requirements and includes allowances for calibration and transmitter inaccuracies to prevent the actual contained volume from exceeding 138,701 ft<sup>3</sup>. Technical Specification Bases 3/4.6.3 provides the basis for establishing the suppression pool level allowable value.