MISSISSIPPI POWER & LIGHT COMPANY
Helping Build Mississippi
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April 13, 1983

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
Units 1 and 2
Docket Nos. 50-416 and 50-417
License No. NPF-13
File: 0260/0277/L-860.0
Masonry Walls and HPCS D/G Room
Temperature, Clarification of
Response
AECM-83/0233

Mississippi Power & Light (MP&L) provided formal response to NRC questions in the areas of Category I masonry walls and the temperature monitoring in the HPCS diesel generator room in letters AECM-83/51, dated January 28, 1983, and AECM-82/262, dated June 10, 1982, respectively.

This letter provides, as attachments, updated or clarified information pertaining to the above noted responses and has been discussed with the NRC Project Manager for Grand Gulf Nuclear Station.

If information in addition to that attached is required, please advise this office.

Yours truly,

L. F. Dale
Manager of Nuclear Services

JGC/JDR:rg

Attachments: 1) Clarified Response, Masonry Walls,
Item 4.d of AECM-83/51

2) Updated Response, HPCS D/G Room Temperature Monitoring,
Item 1 of AECM-82/262

cc: See next page

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MISSISSIPPI POWER & LIGHT COMPANY

bcc: Mr. J. F. Fager (w/o)
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Mr. A. T. Ramey (w/2)
Mr. A. S. McCurdy (w/o)
File (LCTS) (w/2)
File (Plant) (w/a)
File (Project) [7]

CATEGORY I MASONRY WALLS, CLARIFICATION OF RESPONSE

Informal questions from Structural Engineering Branch (SEB) on Category I masonry wall design at Grand Gulf Nuclear Station were provided to Mississippi Power & Light (MP&L) in May of 1982. MP&L's responses were presented in a meeting with SEB held on July 16, 1982. Final responses were formally submitted for review by MP&L letter, AECM-83/51, dated January 28, 1983.

During an audit conducted the week of March 21, 1983, at the plant site by J. Lenahan of NRC, Office of Inspection and Enforcement, Region II, an apparent deficiency was noted in one of the responses submitted via AECM-83/51.

Mr. Lenahan noted that MP&L's response to Item 4.d (AECM-83/51) pertaining to the availability of QA/QC documentation for wall construction was somewhat misleading. MP&L agrees that the subject response could be misinterpreted and offers the following discussion and revised response for the purposes of clarification.

The SEB question requested that certain key QA/QC information, required by SEB's Interim Criteria, be provided for review. MP&L indicated in the subject response (AECM-83/51) that "representative samples" of available information were attached for immediate SEB review as an indication of the types of documentation maintained at the plant site.

Of the attached information, Sample (1) pertained to checklists detailing proper wall construction, completed by the subcontractor. Samples (2) through (6) pertained to material and construction methodology certification. Documentation of types (2) through (6) is available for review at the plant site for all of the subject walls. However, since the subcontractor checklists were initiated for walls constructed after the issuance of I&E Bulletin 80-11, the checklist attached to the subject response was representative only for walls constructed after I&E Bulletin 80-11.

The response to Item 4.d, MP&L letter AECM-83/51, dated January 28, 1983, is revised as follows to reflect the above information. This concern was discussed with Floyd Cantrell (NRC, I&E, Region II) and Dean Houston (NRC Project Manager) in telephone conversations held March 25, 1983.

Revised Response to Item 4.d (AECM-83/51)*:

Inspection of CMU walls was subject to the requirements of Specification 9645-A-004.2, "Furnish, Delivery and Erection of Concrete Masonry Units." Samples of the QA/QC information presently available are shown in Attachment 2 and include:

*The original attachments provided with AECM-83/51 remain unchanged and are not provided with this letter.

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(1) CMU wall inspection checklists assuring subcontractor compliance with Specification 9645-A-004.2.
(Note: Inspection checklists were initiated by the subcontractor administrator after the issuance of I. E. Bulletin 80-11. Most walls at Grand Gulf were built prior to I. E. Bulletin 80-11.)

(2) Certificates of compliance for concrete masonry units

(3) Material test reports on cement used in masonry mortar mixes

(4) Certificates of compliance for sand/aggregate used in masonry mortar mixes

(5) Certificates of compliance for horizontal joint reinforcement

(6) Material test reports of samples taken from mortar and grout mixes used in CMU wall construction

Reinforcing bars and non-shrink grout were supplied by Bechtel and were taken from Q-material stock piles on site.

Modifications to the CMU walls as a result of I. E. Bulletin 80-11 were installed under the balance of plant program. This program includes signed Work Plan and Inspection Records which are performed by the Field Engineering group documenting installation of the modifications.

HPCS DIESEL GENERATOR ROOM TEMPERATURE MONITORING, UPDATED RESPONSE

In response to a concern raised by the Power Systems Branch (PSB) reviewer, MP&L committed in AECM-82/262, dated June 10, 1982, to provide an alarm on low ambient temperature for the HPCS diesel generator room. This alarm was to be provided by October 1, 1982.

The low temperature alarm, as described in AECM-82/262, has been provided; however, the appropriate operator response instructions have not been developed. MP&L is currently evaluating the possibility and appropriateness of alerting the control room operator of low room temperature via an annunciator window as opposed to the current method (computer alarm point). This evaluation has delayed the development of the associated operator procedures. The final determination will be made and implemented prior to October 15, 1983.

This issue and status has been discussed with Dean Houston (NRC Project Manager) in telephone conversations held the week of March 28, 1983.