



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

September 30, 1982

NUCLEAR PRODUCTION DEPARTMENT

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

Attention: Mr. Harold R. Denton, Director

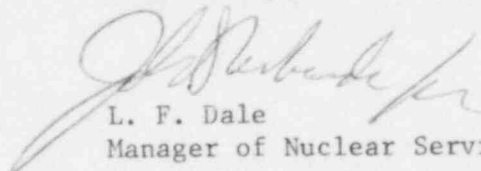
Dear Mr. Denton:

SUBJECT: Grand Gulf Nuclear Station
Units 1 and 2
Docket Nos. 50-416 and 50-417
License No. NPF-13
File 0260/0840/L-860.0
Reference: MAEC-82/197 (8-26-82)
Request for Additional Information
AECM-82/382

Please find attached, Mississippi Power & Light's (MP&L) responses to your August 26, 1982 letter, "Request for Additional Information". The attached responses are numbered to correspond to the items listed in your letter.

In those cases where information is outstanding, the current status and schedule for submittal is provided. If further information is required please advise.

Yours truly,



L. F. Dale
Manager of Nuclear Services

GWD/JGC/JDR:ac
Attachments

cc: See next page

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PDR ADOCK 05000414
P PDR

MISSISSIPPI POWER & LIGHT COMPANY

cc: Mr. N. L. Stampley (w/o)
MR. R. B. McGehee (w/o)
Mr. T. B. Conner (w/o)
Mr. G. B. Taylor (w/o)

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

Mr. J. P. O'Reilly, Regional Administrator (w/a)
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Region II
101 Marietta St., N.W., Suite 3100
Atlanta, Georgia 30303

(1) Item

CYGNA Final Report - Independent Design Verification

RESPONSE

The final CYGNA report was submitted to the NRC via the CYGNA letter, T. Wittig to Darrell G. Eisenhut, dated August 25, 1982. In addition D. Terao of Mechanical Engineering Branch (MEB) met with Bechtel Power Corporation on Wednesday, September 8, 1982, at Gaithersburg, Maryland, to discuss some concerns regarding items identified in the CYGNA report as "potential findings".

It is MP&L's understanding that the concerns expressed by MEB were resolved in that meeting and that this issue is now closed with respect to Grand Gulf.

(2) Item

Corporate Safety Review Group Membership Change - Replacement of Dr. John Paulk (MSU).

RESPONSE

Our August 27, 1982 letter (AECM-82/352) to the NRC informed the NRC that Dr. Wayne Jones replaced Dr. Paulk. Dr. Jones' resume was provided for your information and review in that letter.

In addition, as you are aware, the plant manager, T. Plunkett, for Clinton Nuclear Station has accepted a position as consultant to the MP&L SRC. Mr. Plunkett's resume is provided for your review as an attachment to this letter.

(3) Item

Middle South Utilities Oversight Committee - Membership and Charter.

RESPONSE

This issue was discussed in a meeting between your D. Houston (NRR, Project manager), R. Benedict (Licensee Qualification Branch), L. Crocker (LQB), J. P. McGaughy (MP&L), and J. D. Richardson (MP&L), held in your offices on September 2, 1982. It is concluded that sufficient information on the subject oversight committee was provided in presentations to the Advisory Committee on Reactor Safeguards by F. Lewis, Chief Executive Officer, Middle South Utilities. Information regarding the organization and general scope of activities for the oversight committee may be found in the meeting transcripts of ACRS, (Subcommittee on Grand Gulf), dated August 11, 1982.

It is MP&L's understanding, based on this above referenced meeting that no additional information on this subject is required to support the full power licensing of Grand Gulf.

(4) Item

State of Louisiana and Tensas Parish Corrective Actions to Emergency Plans - FEMA (Region VI) Review and Approval.

RESPONSE

It is MP&L's understanding that FEMA Region VI has reviewed and approved the revised State of Louisiana and Tensas Parish Emergency Plans. Furthermore, MP&L has been advised by FEMA (Region VI) that the report of that review was forwarded to FEMA National (Washington, D. C.) by letter transmittal dated July 27, 1982.

The status of this issue has been discussed with your D. Perrotti, Emergency Preparedness Licensing Branch. Based on these discussions, it is MP&L's understanding that the NRC will coordinate with FEMA to obtain the required review and approval since MP&L holds no authority over FEMA to accomplish this task.

(5) Item

Commitments/Revisions in response to concerns regarding Revision 6, GGNS Emergency Plan.

RESPONSE

Concerns regarding Revision 6 to the Grand Gulf Emergency Plan were responded to in the MP&L letter AECM-82/384, dated September 9, 1982. The resulting changes to the plan will be incorporated into Revision 7, scheduled for submittal to the NRC by October 31, 1982.

(6) Item

INPO Management Review Report.

RESPONSE

The contents of the subject report was discussed with your staff in the meeting referenced in Item (3) above. Sufficient information was provided at the time such that the formal submittal of the report is not required. As discussed in that meeting, MP&L intends to evaluate certain INPO recommendations for possible action. However, it is our understanding that no additional information on this matter is required for your review to support full power licensing of Grand Gulf.

The information provided here also constitutes MP&L's response to your letter to MP&L, dated June 21, 1982, requesting the same information as that requested by Item 6 in your letter, dated August 26, 1982.

(7) Item

Analytical Methods and Results for Fuel Assembly Liftoff.

RESPONSE

The fuel assembly liftoff analysis was completed by General Electric. The analytical methods and results were submitted for your review by General Electric in the proprietary Licensing Topical Report (LTR) NEDE-21175-3-P. The contents of this General Electric topical report was endorsed as applicable to Grand Gulf by the MP&L to NRC letter, AECM-82/371, dated August 30, 1982.

(8) Item

Seismic Qualification Packages for MSIV's, RHR Heat Exchangers and SRV's for Heat Exchangers.

RESPONSE

A. MSIV's & RHR Heat Exchangers

Confirmation of qualification as required by SSER 2 for the MSIV's and RHR Heat Exchangers was provided to the NRC via MP&L letter AECM-82/357, dated August 25, 1982.

B. SRV's for Heat Exchanger (RHR)

1. Qualification testing for the RHR Heat Exchangers and Fuel Oil System SRV's has not been accomplished to date.
2. Testing of the subject components has been delayed for the following reasons:
 - a) MP&L decided to apply the more conservative operational QA Program to the SRV testing. As a result, Bechtel's effort to test the Unit 2 SRV's had to be suspended, and MP&L was required to initiate the development of the necessary test specifications and commercial agreements to have a testing facility accomplish the testing of Unit 2 SRV's.
 - b) The Unit 2 SRV's to be used for testing did not arrive on site until August 16, 1982, primarily due to a prolonged strike at Lonergan (valve manufacturer).
3. MP&L will qualify the SRV's by test prior to escalation above 5% power. This is consistent with MP&L's commitments and also with the staff's review, as documented in SSER 2.

Based on telephone discussion with seismic section leader, Goutam Bagchi (NRC/EQB), on Wednesday, September 1, 1982, MP&L obtained clarification on EQB's requests for this information. It is our understanding that EQB requires this information to satisfy the requirements stated in SSER 2, permitting the staff to close these items. Furthermore, we understand that only confirmatory information is required for closure of these items. The actual test data will be available at the plant site for review, if necessary. Please advise if additional information is required for your review.

THOMAS F. PLUNKETT

Age: 42

EDUCATION

BS Mechanical Engineering - University of Wisconsin, 1961
MS Nuclear Engineering - University of Wisconsin, 1962
12 Credits Additional Course Work - UCLA

EXPERIENCE

7/77 - Present, Illinois Power Company

As Plant Manager for the Clinton Power Station is responsible for the functioning of the permanent operations staff and the startup organization. Presently, his time is devoted to the areas of plant subsystems checkout and startup, staffing and involvement in regulatory/licensing matters.

10/69 - 7/77, American Electric Power - Indiana & Michigan Power Co.

As Technical Supervisor of the D. C. Cook Nuclear Plant, was responsible for the functioning of the Nuclear, Performance, Control and Instrument, Chemical, Radiation Protection and Environmental Sections of the Technical Department.

Initially after joining AEP, spent ten months attending various vendor sponsored training programs, including six months at the Saxton nuclear facility for which an AEC operators license was received. From October, 1971 to July, 1977, participated in operator license training and held an SRO license for the D. C. Cook Nuclear Plant.

During the construction and startup phases leading to commercial operation of Unit 1, had primary responsibility for component/system startup, preoperational testing, low power physics testing and the power ascension test program for all plant systems, both primary and secondary. Because AEP was their own architectural engineer, considerable time was spent during construction and startup interfacing with AEP design engineers and coordinating systems checkout with I&M construction personnel.

Other duties included staffing the Technical Department, setting up the environmental sampling program and developing department quality control procedures. Also, was involved in the preparation of portions of the FSAR, Technical Specifications, Emergency Plan, Industrial Security Plan and Radiation Protection Manual. In April of 1973, served as a reactivity analyst for the Zion 1 core loading, and in June-July, 1973, participated in the Zion 1 initial criticality, low power physics testing and power escalation tests. Was the test supervisor for D. C. Cook's initial core loading (11/74), initial criticality (1/75) and the power ascensions test program.

Resume' T. F. Plunkett

7/62 - 10/69, McDonnell Douglas Corporation

First three years at McDonnell Douglas were spent as a member of the Nuclear Department in which he participated in research and development oriented nuclear power and propulsion system studies. Primary areas of work included reactor and shield physics calculations, nuclear materials selection and thermal/hydraulic analysis. The next two years were spent working on two NASA funded nuclear power systems studies. The remaining time at McDonnell Douglas was spent as a project engineer in charge of nuclear power systems for the Advanced Systems Directorate.

8/61 - 7/62, University of Wisconsin

Employed part-time as a research assistant on an Argonne National Laboratory funded effort to determine the burnout point of pool boiling sodium.

1959 - 1961, Consolidated, Inc.

Employed for three summers in the Research and Development Department. Performed thermal balances on paper machines, determined fluid flow characteristics of various types of paper pulp, and assisted in the design of an on-line paper density calculator.

PUBLICATIONS

Author and co-author of six technical papers and author of one technical journal article. Member of Pi Tau Sigma and the American Nuclear Society.