



UNITED STATES
ATOMIC ENERGY COMMISSION

WASHINGTON, D.C. 20545

MAY 14 1974

file

Docket No. 50-416/417

Applicant: Mississippi Power & Light Company

Facility: Grand Gulf Nuclear Station, Units 1 and 2

SUMMARY OF MEETINGS WITH MISSISSIPPI POWER & LIGHT COMPANY ON
APRIL 30, 1974 AND MAY 2, 1974

The staff met with the Mississippi Power & Light Co. (MP&L) representatives on April 30, 1974 and on May 2, 1974, in Bethesda. The lists of attendees for these meetings are provided as Enclosures 1 and 2.

The purpose of the April 30 meeting was to consider the applicant's proposed revision to its combustible gas control system design. The applicant proposes to make this design modification contingent upon the planned revision to Regulatory Guide 1.7. The principal feature of this design change would be to force the dry well atmosphere following a LOCA, through the suppression pool, using compressors which can receive their power from the emergency electrical system. The staff concluded from the presentation by the applicant that the design concept is acceptable and that it can be engineered to meet acceptable criteria. Advantages of the system compared with that proposed to meet the present Regulatory Guide 1.7 requirements are as follows:

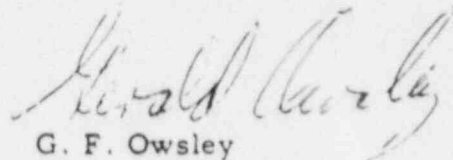
1. a reduction from 7 to 4 penetrations through the dry well wall for the combustible gas control system;
2. a maximum penetration size of 10 inches compared with 24 inches in the present design;
3. the containment atmosphere would not bypass the suppression pool as in the present design; and
4. the bypass available in the event any single penetration is left open by valve failure would not exceed the allowable bypass from any size pipe break. In addition, with the design basis LOCA (double-ended break) all four penetrations could be left open and the bypass area would not result in overpressurization of the containment.

The applicant's proposed guard pipe design and criteria which had been filed in draft form, were found to be acceptable. The applicant plans to file this information formally before May 9, 1974.

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The staff reported that it had found the General Electric Company's analysis of vent uncover following a LOCA to be acceptable. Basically, the staff found that the potential for excessive bypass was acceptably low. However, the staff also reported that it was not satisfied with the General Electric Company's analysis of forces generated in the suppression pool area from possible wave effects. At this meeting, the General Electric Company provided further information regarding forces generated in the suppression pool from wave action. This additional information was subsequently reviewed by the staff.

The staff met with MP&L on May 2, 1974 to discuss the applicant's response to information requested by the ACRS in its staff's letter of April 2, 1974, regarding containment matters. The Regulatory Staff is in substantial agreement with the information which has been developed by the applicant. A copy is enclosed.



G. F. Owsley
Project Manager
Light Water Reactors Branch 1-2
Directorate of Licensing

Enclosures:

- (1) List of Attendees, April 30, 1974 Meeting
- (2) List of Attendees, May 2, 1974 Meeting
- (3) "Mark III Pressure Suppression System Loads on Structures"

ATTENDANCE AT MEETING OF 4/30/74

<u>Name</u>	<u>Org.</u>
G. Owsley	AEC
J. Orndorf	AEC
R. L. Ashley	Bechtel
T. W. Habermas	Bechtel
D. Heilig	Bechtel
R. Bower	Bechtel
V. Bert	Bechtel
J. Parikh	Bechtel
M. C. Mauderly	Bechtel
C. L. Reid	Bechtel
N. B. Willoughby	Bechtel
F. C. Hatch	G.E.
L. J. Sobon	G.E.
J. P. McGaughy	MP&L

ATTENDANCE AT MEETING OF 5/2/74

<u>Name</u>	<u>Org.</u>
G. Owsley	AEC
J. Kudrick	AEC
R. Tedesco	AEC
L. Slegers	AEC
G. Lainas	AEC
R. Cudlin	AEC
H. P. Marsh	Bechtel
W. C. Barnholr	GE
J. P. McGaughy, Jr.	MP&L
L. F. Dale	MP&L
N. H. Starnpley	MP&L
L. J. Sobon	GE
J. J. Tkacik	Bechtel
F. P. Schauer	AEC
R. P. Barr	GE
D. A. Rockwell	GE
A. S. McCurdy	MP&L

Grand Gulf
6-4-75

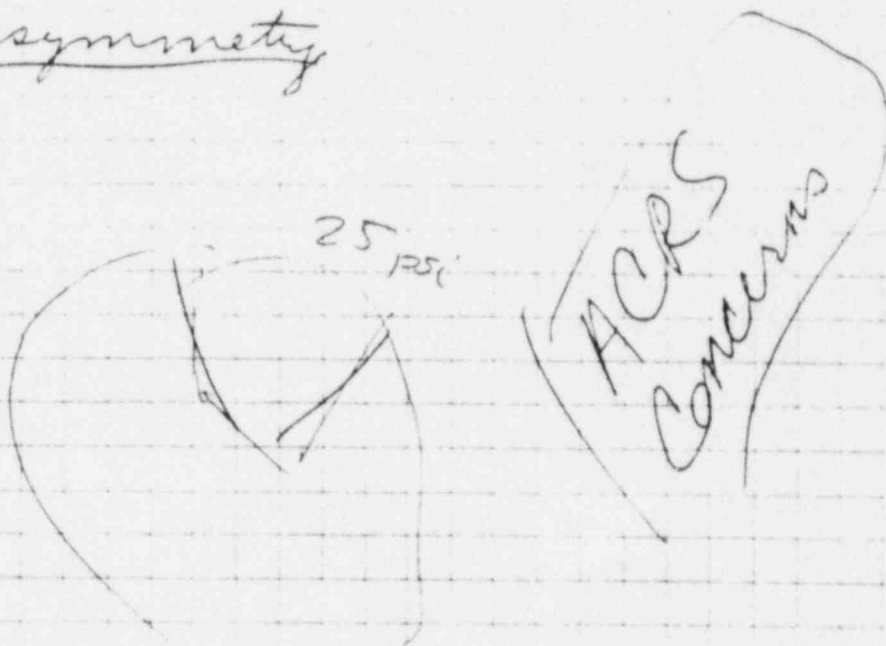
GE: air tests data only applicable
to small structures

MPS, L proposing GE recommendations
for small structures 115, 30

7. personnel hatch/equipment hatch
drag (similar to grating)

GE: concrete wedges

3 asymmetry



4 chugging

not important

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