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MISSISSIPPI POWER & LIGHT COMPANY

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P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

December 29, 1980

NUCLEAR PRODUCTION DEPARTMENT

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

Attention: Mr. Harold R. Denton, Director

Dear Sir:

SUBJECT: Grand Gulf Nuclear Station
Unit 1
Docket No. 50-416
File 0260/0277/0755/L-860.0
Control Room Design Review
Report
AECM-80/316

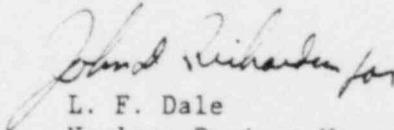
NUREG-0660, Task I.D.1 requires us: to perform a comprehensive review of our control room using NRC human factors design guidelines and evaluation criteria; to modify to correct significant deficiencies; to issue a report describing methods of review, results of review, including bases of findings made, and implementation schedules.

Accordingly, Mississippi Power & Light Company (MP&L), as agent for Middle South Energy, Inc. contracted with the Essex Corporation to perform an independent third party review of the Grand Gulf Nuclear Station Unit 1 control room. This evaluation was conducted during the period from June 17, 1980 to October 1, 1980 and employed state-of-the-art human engineering evaluation techniques especially tailored for a control room design review using criteria from NUREG-1580, "Human Engineering Guide to Control Room Evaluation."

The results of that design review have been compiled into the report which is attached for your review. The report prioritizes discrepancies, recommends corrective actions, and presents an implementation schedule.

We would request that we be advised as soon as possible of any comments or recommendations you may have in regard to this report and its conclusions.

Yours truly,


L. F. Dale
Nuclear Project Manager

CLT/JDR:lm
Attachment

cc: (See Next Page)

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U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation

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

Mr. Victor Stello, Jr., Director (w/a)
Division of Inspection & Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555