



# MISSISSIPPI POWER & LIGHT COMPANY

*Helping Build Mississippi*

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

November 9, 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/M-001.0  
ADS Air System, Periodic Air  
Quality Evaluation  
AECM-82/528

### References:

1. AECM-82/490, October 18, 1982
2. AECM-82/510, October 26, 1982

In accordance with requests by the Auxiliary Systems Branch and the NRC Project Manager for Grand Gulf, Mississippi Power & Light Company (MP&L) is providing additional information to supplement the discussions and commitments in the reference letters. This information is in support of the NRC Staff's review of MP&L's response to NUREG-0737, item II.K.3.28.

### 1. Instrument Air Quality

The Grand Gulf instrument air system is not a safety-related system; however, it does supply air to the accumulators of safety related components such as the automatic depressurization system valves. It is the NRC's position that appropriate air quality is necessary to ensure proper operation of these safety related components. Therefore, consistent with current NRC requirements, MP&L commits to annually sample for instrument air quality commencing at the first refueling outage. The sample will be taken down-stream of the air dryer afterfilters and will be analyzed for dew point, particle size, and oil content. This will ensure that the proper quality air is supplied to the attached safety-related components. Appropriate proposed Technical Specifications with acceptance criteria will be provided to the NRC as discussed below. Sampling for hazardous gases and corrosive contaminants in accordance with ISA-S7.3-1975 is not considered necessary because:

- a. The instrument air intake is located on a building roof, not inside where it might be exposed to contaminants.
- b. The instrument air system will not be used to supply emergency breathing air.

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- c. Any degradation to the attached safety-related components would be detected during the periodic tests described in the reference letters.

2. Submittal Schedule

Proposed Technical Specifications and design details, to support the commitments made above and in reference letters, will be provided to the NRC four (4) months prior to startup following the first refueling outage.

With the additional commitments provided above, MP&L considers this issue resolved for full power licensing. If you have any further questions, please do not hesitate to contact us.

Yours truly,



L. F. Dale

Manager of Nuclear Services

MJD/GWD/JGC/JDR:sap

cc: Mr. N. L. Stampley  
Mr. R. B. McGehee  
Mr. T. B. Conner  
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