



# MISSISSIPPI POWER & LIGHT COMPANY

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P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

1/14/83

## 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 0260/7500/M-242.0  
Failure of MSIV to Close  
AECM-82/571

## REFERENCE

L. F. Dale letter to H. R. Denton (AECM-82/229), SQRT - Additional Information Supporting Justification for Interim Operation; Response to NRC Questions at April 21, 1982 Meeting.

The evaluation used in response to the concern regarding failure of MSIV to close in attachment number 5 of the reference letter was preliminary in nature. We have completed our review of NRC I&E Circular 81-14, "Main Steam Isolation Valve Failures to Close", and NRC I&E Notice 81-38, "Potentially Significant Equipment Failures Resulting from Contamination of Air-Operated Systems", as applicable to the instrument air system.

The instrument air compressor is provided with an inlet filter, a moisture separator, and a self-contained lubrication system to preclude oil contamination of the instrument air. The desiccant type air dryer is provided with redundant columns to permit continuous system operation concurrent with regeneration of one column. Filters are located upstream of each desiccant type dryer to remove particulates, 0.9 microns and larger. Instrument air is dried to a dew point of -40°F, and instrumentation and alarms are provided to alert operators of out-of-limit moisture conditions. Drains, equipped with manually operated valves, are located at all system low points to permit blowdown of accumulated moisture or dirt. Additionally, each instrument or group of instruments is equipped with a pressure regulating valve with an integral filter located in the instrument air supply. The service air system when used for instrument air system backup is directed through the instrument air-dryer system.

Based on the above, we now feel it is unnecessary to implement the change committed to in attachment number 5 of the reference letter. This change was based on the preliminary evaluation which has been superseded by the completed review.

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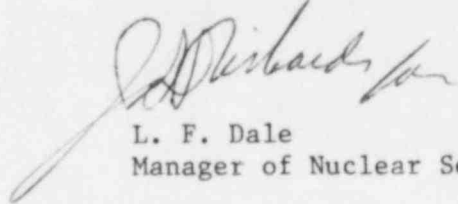
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Therefore, we do not plan to implement qualified dew point monitoring equipment with annunciation at all main instrument air system branch headers and at the inlet to the MSIV valve control systems.

If you have questions or comments, please advise.

Yours truly,



L. F. Dale  
Manager of Nuclear Services

RAW/SHH/JDR:sap

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

Mr. Richard C. DeYoung, Director  
Office of Inspection & Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

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