



MISSISSIPPI POWER & LIGHT COMPANY
Helping Build Mississippi
P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

JAMES P. McGAUGHY, JR.
ASSISTANT VICE PRESIDENT

March 16, 1981

Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, N.W.
Suite 3100
Atlanta, Georgia 30303

Attention: Mr. J. P. O'Reilly, Director

Dear Mr. O'Reilly:

SUBJECT: Grand Gulf Nuclear Station
Units 1 and 2
Docket Nos. 50-416/417
File 0260/15525/15526
PRD-81/08, Status Report #1,
Installation of the Standby
Service Water Pump
AECM-81/109

On February 12, 1981, Mississippi Power & Light Company notified Mr. J. Rausch, of your office, of a Potentially Reportable Deficiency (PRD) at the Grand Gulf Nuclear Station (GGNS) construction site. The deficiency concerns the installation of the Standby Service Water Pump (SSW Pump).

This deficiency is currently under investigation. We expect to provide to you our final report and determination of reportability by September 1, 1981. Our findings and corrective actions, to date, are summarized in the attached status report.

Yours truly,

J. P. McGaughy, Jr.

WHU:mt
Attachment

cc: See page 2



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Member Middle South Utilities System

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MISSISSIPPI POWER & LIGHT COMPANY

Mr. J. P. O'Reilly
NRC

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

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

Mr. G. B. Taylor
South Miss. Electric Power Association
P. O. Box 1589
Hattiesburg, MS 39401

STATUS REPORT #1 TO PRD-81/08

I. Description of the Deficiency

Seismic Analysis by the SSW pump supplier (Gould Pumps, Inc.) indicates a maximum calculated movement of approximately 7.8 inches. The as-built clearance between the pump bowl assembly and the west SSW Basin sump wall is 5 inches.

The plant system affected by this deficiency is Standby Service Water (P-41) and is applicable to both Units 1 and 2.

10CFR21 is not applicable as the system has not been turned over to MP&L.

If the vendor determines that, during a seismic event, the impact of the pump bowl assembly against the sump wall could result in the failure of the pump(s), then cooling water would not be provided during an emergency shutdown of the plant.

II. Approach to Resolution of the Problem

The cause of this deficiency is currently under investigation. The two SSW pumps in "A" basin have been determined to have this deficiency as cited above. The two SSW pumps in "B" basin will be inspected for this deficiency during scheduled down time for "B" basin (the week of March 9, 1981). Those results have not been received by this office as of this date.

Remedial action will be provided by our Architect/Engineer after the vendor has reviewed and analyzed the condition. Corrective action to be taken to preclude recurrence of this problem will be implemented when the cause of the deficiency has been determined.

III. Status of Proposed Resolution

The impact of this deficiency on safety has not been determined. The supplier of the SSW pumps is currently evaluating whether or not the pumps would fail by impacting the walls of the basin. If vendor analysis indicates that the pumps would fail during a seismic event, then our Architect/Engineer has asked the vendor for a quotation to design a restraint to limit movement of the pump during such an event.

Our Architect/Engineer is currently investigating the installation documentation to determine whether or not the pumps were installed in accordance with design drawings. Engineering action should be completed by July 1, 1981.

IV. Reason Why a Final Report Will Be Delayed

The vendor (Gould Pumps, Inc.) is currently evaluating the existing deficiency and has been asked to determine either that there would be no adverse effects on the continued operation of the pumps during a seismic event in the as-built installation or that pump operation could be adversely affected. Our Architect/Engineer will analyze this information and formulate, with the vendor, corrective actions to be taken.

V. Date When Final Report Will Be Submitted

We expect to file our final report on this matter on or before September 1, 1981.