



# MISSISSIPPI POWER & LIGHT COMPANY

*Helping Build Mississippi*

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

JAMES P. McGAUGHY, JR.  
VICE PRESIDENT

June 6, 1983

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USNRC REGION I  
ATLANTA, GEORGIA

Office of Inspection & Enforcement  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, N.W.  
Suite 2900  
Atlanta, Georgia 30303

Attention: Mr. J. P. O'Reilly, Regional Administrator

Dear Mr. O'Reilly:

SUBJECT: Grand Gulf Nuclear Station  
Units 1 and 2  
License No. NPF-13  
Docket Nos. 50-416/417  
File 0260/15525/15526/16694.4  
PRD-83/05, Final Report,  
RSOS Sockets  
AECM-83/0325

Reference: AECM-83/0220, 4/7/83

On March 8, 1983, Mississippi Power & Light Company notified Mr. R. Butcher, of your office, of a Potentially Reportable Deficiency (PRD) at the Grand Gulf Nuclear Station (GGNS) construction site. The deficiency concerns the stress relieving of "RSOS" sockets by a vendor who does not appear on our Architect-Engineer's Evaluated Supplier List (ESL).

MP&L has evaluated this deficiency and determined that it is not reportable for either Unit 1 or Unit 2.

Details are provided in our attached Final Report

Yours truly,

J. P. McGaughy, Jr.

ACP:dr  
ATTACHMENT

cc: See page 2

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Mr. J. P. O'Reilly  
NRC

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cc: Mr. J. B. Richard  
Mr. R. B. McGehee  
Mr. T. B. Conner

Mr. Richard C. DeYoung, 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

FINAL REPORT FOR PRD-83/05I. Description of the Deficiency

An "RSOS" (restraining socket other side) socket, which is a piece of "Q" structural steel, was sent off-site for stress-relief, to a vendor (C. E. Natco, Gulfport, Mississippi) who does not appear on the ESL (Evaluated Suppliers List). Since an evaluation of the vendor was not performed prior to the work being accomplished, their ability to satisfactorily perform this function was suspect.

The concern of this deficiency affects plant system M-22 Containment Drywell Structural Steel for both Units 1 and 2 and does not apply to the NSSS vendor.

For Unit 1, the RSOS Socket had been accepted by MP&L as a part of the Drywell Structural Steel; however, MP&L has determined that the deficiency does not represent a substantial safety hazard due to the following:

- (1) 10CFR21 and certification of compliance to AWS D1-1 were invoked on purchase order #9645-F-48483 for the Unit 1 socket.
- (2) Certificate of conformance to AWS D1.1, 1980 was supplied.
- (3) An "ex post facto" audit of the Vendor's QA program and procedures revealed that both were adequate and that the stress relieving had been performed in a satisfactory manner.

For Unit 2, the RSOS Socket has not been offered for acceptance by Bechtel to MP&L; therefore, 10CFR21 does not apply to MP&L. A 10CFR21 report will not be filed by Bechtel since the determination has been made that this deficiency does not affect safety.

The cause of the deficiency has been determined to be a procedural violation. Stress relieving for the "RSOS" Socket was not procured as a safety-related service; therefore, no QA requirements were imposed.

II. Analysis of Safety Implications

Bechtel Project Engineering has determined that the condition has no impact on the safety of the power plant. Rationale for this position is based on the successful audit of the vendor and NCR #6534 which was dispositioned by Project Engineering as "use-as-is". The limited scope audit was performed by Bechtel Procurement Supplier Quality and M&QS Personnel. Bechtel and MP&L Quality Assurance personnel observed the audit. The audit criteria included Document Control, Inspection, Measurement and Test Equipment, Special Processes, and Nonconformance Control.

## II. (Continued)

The audited areas were found satisfactory with the exception of a down ramp on a heat chart. The chart was stopped at 800°F in lieu of 600°F as required by AWS D.1-1. Project Engineering determined the condition did not affect the Post Heat Treating Process and Dispositioned NCR #6534 "use-as-is". Therefore, our A/E has determined that had the cited condition remained uncorrected, the deficiency could not have affected adversely the safety of operations of the power plant at any time throughout the expected lifetime of the plant.

III. Corrective Actions Taken

An investigation into the extent of the deficiency revealed that there were two "RSOS" sockets stress relieved by C. E. Natco. One for Unit 1 and one for Unit 2. The Unit 1 socket is located inside the containment, column-C2, Azimuth-264°, structural steel elevation 147'7". The Unit 2 socket is located inside the containment, column-C3, Azimuth-270°, drywell structural steel elevation 161'10".

Bechtel has held a meeting with Construction personnel to instruct them that stress relieving services for safety-related items shall be procured as safety-related, and QA requirements are to be imposed on the Field Material Requisition (FMR).