



MISSISSIPPI POWER & LIGHT COMPANY

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P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

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J. B. RICHARD  
SENIOR VICE PRESIDENT - NUCLEAR

July 6, 1984

U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, N.W.  
Suite 2900  
Atlanta, Georgia 30323

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


Dear Mr. O'Reilly:

SUBJECT: Grand Gulf Nuclear Station  
Unit 2  
Docket No. 50-417  
License No. NPF-13  
File 0260/15525/15526/16694.4  
PRD-84/09, Interim Report No. 1 for  
Unit 2, DuBose Steel, Inc.,  
Potentially Defective Pieces  
AECM-84/0357

On June 1, 1984, Mississippi Power & Light Company notified Mr. R. Carroll, of your office, of a Potentially Reportable Deficiency (PRD) at the Grand Gulf Nuclear Station (GGNS) Unit 2 construction site. The deficiency concerns potentially defective pieces of steel received for use from DuBose Steel, Inc.

Investigation is continuing into the reportability of this item under 10CFR50.55(e) for Unit 2. We have determined that this deficiency is not reportable under the requirements of 10CFR Part 21 for Unit 1 since the use of this steel on Unit 1 did not constitute a substantial safety hazard. We expect to make a final determination and to submit a Final Report for Unit 2 by October 31, 1984. This report was originally due on June 29, 1984, but a one week extension was granted on that day by Mr. Kerry Landis.

Yours truly,

  
For J. B. Richard

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KDS:dr  
ATTACHMENT

cc: See page 2

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Member Middle South Utilities System

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Mr. J. P. O'Reilly  
NRC

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

INTERIM REPORT NO. 1 FOR PRD-84/09

I. Description of Deficiency

DuBose Steel, Inc., notified our Architect/Engineer by letter dated May 16, 1984, that six (6) pieces of W6x20x20' steel beams, heat number 77052, supplied to GGNS were potentially defective. The exact nature of the potential defects is currently under investigation by DuBose Steel, Inc. and their subsupplier, Northwestern Steel & Wire Co. DuBose Steel, Inc. has shipped samples from heat number 77052 to Northwestern Steel & Wire Co. for testing.

This deficiency affects the Residual Heat Removal System (E12), the Reactor Water Cleanup System (G33), the Low Pressure Core Spray (E21), the High Pressure Core Spray (E22), the Reactor Core Isolation Cooling System (E51), and the Nuclear Boiler System (B21).

This interim report pertains only to Unit 2. The deficiency is not reportable under 10CFR Part 21 for Unit 1 because the use of the steel on Unit 1, 3'6" in support Q1G33G002C03, did not constitute a substantial safety hazard. Calculations have been performed for this support and it has been determined that the steel as used would not affect the integrity of the support.

The deficiency is not reportable under 10CFR21 for Unit 2 since the systems have not been accepted by MP&L.

Safety implications and reportability for Unit 2 are unknown at this time. Approximately 100 linear feet of the W6x20's have been fabricated and installed as pipe supports for the affected systems.

The deficiency is not applicable to the NSSS vendor.

II. Approach to Resolution of the Problem

The exact nature and cause of the deficiency is currently under investigation by DuBose Steel, Inc. and Northwestern Steel & Wire Company.

The potentially defective steel is presently known to exist in three heats: 80551, 89728 and 77052. Only steel from heat number 77052 was supplied to GGNS.

Northwestern Steel & Wire Co. is performing investigative actions and testing to determine the nature and cause of the defects in order to determine what actions need to be taken to prevent recurrence of the problem.

No remedial actions have been taken to date by the steel suppliers to correct the potential deficiencies. Our Architect/Engineer has initiated Nonconformance Report (NCR) 6786 to track the use of the potentially defective material at GGNS.

III. Status of Proposed Resolution

Analysis of known safety implications, cause and extent of the deficiency, and actions to prevent recurrence have not been completed at this time. NCR 6786 has been issued by our Architect/Engineer to track any necessary corrective actions on Unit 2.

IV. Reason Why Final Report is Delayed

A final report for Unit 2 will be delayed so that all necessary testing can be performed to determine the exact nature of the deficiency and to allow engineering disposition of the steel usage.

V. Date when Final Report will be Submitted

We expect to submit a final report by October 31, 1984.