



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

JAMES P. McGAUGHY, JR.
ASSISTANT VICE PRESIDENT

November 9, 1981 A 8:34

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-80/10, Final Report,
Previously Unqualified Insulation
Repairs in Rockbestos Cable
AECM-81/445

- References: 1) AECM-80/81, 4/18/80
2) AECM-80/221, 9/16/80
3) AECM-80/311, 12/16/80
4) AECM-81/71, 2/18/81
5) AECM-81/274, 7/31/81

On March 21, 1980, Mississippi Power & Light Company notified Mr. M. Mendonca, of your office, of a Potentially Reportable Deficiency (PRD) at the Grand Gulf Nuclear Station (GGNS) construction site. The deficiency concerns previously unqualified cable insulation repairs in cables supplied by The Rockbestos Company.

Our evaluation of the deficiency has been completed. The insulation repair compound (KLX-420) successfully passed qualification tests. Therefore, if the condition had remained uncorrected, there would have been no effect on safety of operations of the nuclear power plant and the deficiency is not reportable under the provisions of 10CFR50.55(e).

Our Final Report is attached.

Yours truly,

J. P. McGaughy, Jr.

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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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

bcc: Dr. D. C. Gibbs
Mr. D. C. Lutken
Mr. J. N. Ward
Mr. J. D. Heaton
Mr. R. S. Trickovic
Mr. J. W. Yelverton
Mr. L. F. Dale
Mr. C. K. McCoy
Mr. T. H. Cloninger
Mr. R. A. Ambrosino
Mr. R. C. Fron
Mr. G. B. Rogers
Mr. S. H. Hobbs
Mr. L. E. Ruhland
Mr. D. L. Hunt
Mr. A. G. Wagner
Mr. P. A. Taylor
Mr. R. F. Phares
PRD File
File

Mr. D. M. Houston
U. S. Nuclear Regulatory Commission
Division of Licensing
Washington, D. C. 20555

Mr. Bruce J. Cochran
Cochran Consulting Company
P.O. Box 270503
Tampa, Florida 33688

FINAL REPORT FOR PRD-80/10I. Description of the Deficiency

Insulation repair compound (KLX-420) used by The Rockbestos Company was not qualified to IEEE 323 and 383 at the time of manufacture and shipment. The repair compound was used on individual conductors within cables. The insulating material used on the factory repair was different than that originally used on the cable.

The affected cable was used only in Unit 1 by our Constructor.

II. Analysis of Safety Implications

The Rockbestos Company has performed the required qualification test for repair compound KLX-420. The "Arrhenius" method, which takes into account the accelerated aging during the LOCA test phase was utilized to evaluate the test results. Our Architect/Engineer has reviewed The Rockbestos Company test report and has determined that the KLX-420 insulation repair compound is qualified for use on GGNS.

Since the KLX-420 repair compound successfully passed qualification tests, there would not have been any effect on safety of plant operations if the condition had remained uncorrected. Therefore, this deficiency is not reportable under the provisions of 10CFR50.55(e).

III. Corrective Actions Taken

The repair compound successfully passed the qualification tests. Therefore, no corrective actions are necessary.



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JAMES P. McGAUGHY, JR.
ASSISTANT VICE PRESIDENT

November 2, 1981

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U. S. Nuclear Regulatory Commission
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Yours truly,

70v J. P. McGaughy, Jr.

KDS:dr
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Member Middle South Utilities System

OFFICIAL COPY

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Mr. J. P. O'Reilly
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South Miss. Electric Power Association
P. O. Box 1589
Hattiesburg, MS 39401

FINAL REPORT FOR PRD-80/10

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