



LOUISIANA
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August 6, 1982

G. D. McLendon
Senior Vice President

W3K-82- 0496
Q-3-A35.07.58

Mr. John T. Collins, Regional Administrator, Region IV
U. S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76012

SUBJECT: Waterford SES Unit No. 3
Docket No. 50-382
Interim Report of Significant Construction Deficiency No. 58
"Cable Tray Fire in RAB At Elevation 35'"

Dear Mr. Collins:

In accordance with the requirements of 10CFR50.55(e), we are hereby providing two copies of the Interim Report of Significant Construction Deficiency No. 58, "Cable Tray Fire in RAB at Elevation 35'."

If you have any questions, please advise.

Very truly yours,

G.D. McLendon

GDMci/LLB/grf

Attachments

- cc: 1) Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555
(with 15 copies of report)
- 2) Director
Office of Management
Information and Program Control
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555
(with 1 copy of report)

RECEIVED
(NRC Personnel)
Region IV

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LOUISIANA POWER & LIGHT COMPANY

WATERFORD STEAM ELECTRIC STATION - UNIT NO. 3

INTERIM REPORT OF
SIGNIFICANT CONSTRUCTION DEFICIENCY NO. 58

"CABLE TRAY FIRE IN RAB AT ELEVATION 35'"

Reviewed by : *R. J. Milkiser* 8/3/82
R. J. Milkiser-Site Manager Date

Reviewed by: *J. L. Wills* 8/3/82
J. L. Wills-Project Superintendent Date

Reviewed by: *J. Hart* 8-4-82
J. Hart-Project Licensing Engineer Date

Reviewed by: *W. Yaeger* 8/3/82
W. Yaeger-Sr. Resident Engineer Date

Reviewed by: *J. Gutierrez* 8-4-82
J. Gutierrez-Q.A. Site Supervisor Date

for

August 2, 1982

INTERIM REPORT OF
SIGNIFICANT CONSTRUCTION DEFICIENCY NO. 58
"CABLE TRAY FIRE IN RAB AT ELEVATION 35"

INTRODUCTION

This report is submitted pursuant to 10CFR50.55(e). It describes a fire affecting Class IE Control Cables in the Reactor Auxiliary Building (RAB). This has not been reported to the NRC under 10CFR21.

DESCRIPTION

At approximately 10:50 a.m. on 7/12/82, a fire was discovered in cable tray C201M-SA between plan point 1936 and 1935. The fire resulted from a ignited piece of cardboard resting on the cables. The cable tray area affected by the fire was not more than two (2) feet in length and not the full width of the tray. Thirty (30) cables have been visibly damaged to varying degrees. Cables in the upper layer received the most damage. Their jackets were charred and fell off in portions, exposing the insulated conductors. There were no cables where damage to conductor insulation was sufficient to expose the copper conductors. Nonconformance Report W3-4098 has been initiated to document this condition.

SAFETY IMPLICATIONS

The damaged cables are part of Class IE cable system and if left uncorrected, the safety related equipment served by these cables could be adversely affected. The deficiency is therefore reportable.

CORRECTIVE ACTION

Thirteen (13) of the thirty (30) cables have been damaged to an extent deemed unacceptable for Class IE use; these were identified and will be replaced. The remaining seventeen (17) exhibit partial jacket chars and may be saved if testing shows that conductor insulation has not been adversely affected by the heat of the fire; no noticeable embrittlement of either the insulation or the jacket material was detected in the affected portions of these cables.

Testing to determine the actual physical characteristics of the conductor insulation will be performed with samples from two affected cables: one from the cable showing the least damage among the 13 to be replaced, and the other from the cable exhibiting the most damage in the group of 17 cables that may be saved. If test results prove to be satisfactory, it will serve as assurance that all the remaining cables in the group of 17 cables are serviceable. Should this be the case, appropriate jacket repairs will be made where needed.

Corrective action will be completed by December 31, 1982, and a final report will be submitted to the NRC at that time.