LOUISIANA POWER & LIGHT / 142 DELARONDE STREET
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MIDDLE SOUTH UTILITIES SYSTEM

February 26, 1986

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QA

Mr. Robert D. Martin
Regional Administrator, Region IV
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
Arlington, TX 76011

Subject: Waterford 3 SES
Docket No. 50-382
License No. NPF-38
IE Bulletin 85-01

Reference: IE Information Notice No. 84-06, Steam Binding of Auxiliary Feedwate Pumps, dated 1/25/84.

Dear Mr. Martin:

This is in reply to IE Bulletin 85-01 which reported on generic safety problems involving the inoperability of auxiliary feedwater pumps as a result of steam binding. (NOTE: The system described in IE Bulletin 85-01 is called the Emergency Feedwater System (EFW) at Waterford 3.)

The following reports on the actions taken at Waterford 3 to prevent events similar to those described in the subject IE Bulletin 85-01 and the related referenced Information Notice 84-06.

As a result of IE Information Notice No. 84-06, Steam Binding of Auxiliary Feedwater Pumps, Waterford 3 recognized their potential for steam binding in the Emergency Feedwater System (EFW) and installed surface mounted thermometers on the two motor driven and one turbine driven EFW pump discharge lines. This plant modification was completed via Station Modification No. 531 and Condition Identification Work Authorization No. 020497 on September 21, 1985.

On October 29, 1985 IE Bulletin 85-01 was issued for action and followup response on the steam binding issue. The events described in IEB 85-01 were evaluated for similarity to the IEN 84-06 events. It was concluded that no further plant changes were needed to resolve the concerns of IEB 85-01.

The temperature instrumentation installed will provide an indication of valve leakage from the heated Main Feedwater system and conditions conducive to steam formation (230°F). Operations Procedure OI-004-000, Watch Station and Shift Logs, (Change 2-2/20/86), requires monitoring of the temperature instruments every shift and notification to the Control Room Supervisor for closer monitoring upon reaching a 120°F temperature (normal reading has been approximately 65°F). Upon reaching a 230°F reading, Control Room supervisors are instructed that corrective action is required to vent, drain, and fill as required to bring the temperatures

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down. Training of operating personnel relative to plant modifications made by SM-531 has been underway since about mid-December 1985.

This response is submitted as requested under affidavit under provisions of Section 182a of the Atomic Energy Act of 1954, as amended.

Very truly yours,

K.W. Cook
Nuclear Support & Licensing Manager

KWC:GEW:ssf

cc: NRC, Document Control Desk, Wash. D.C. (original)
NRC, Director, Office of I&E
G.W. Knighton, NRC-NRR
J.H. Wilson, NRC-NRR
NRC Resident Inspectors Office
B.W. Churchill
W.M. Stevenson

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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the matter of	)	
	)	
Louisiana Power & Light Company	)	Docket No. 50-382
Waterford 3 Steam Electric Station	)	

AFFIDAVIT

R.M. Nelson, being duly sworn, hereby deposes and says that he is Nuclear Licensing Manager of Louisiana Power & Light Company; that he is duly authorized to sign and act on behalf of K.W. Cook, Nuclear Support & Licensing Manager and file with the Nuclear Regulatory Commission the attached response to IE Bulletin 85-01; that he is familiar with the content thereof; and that the matters set forth therein are true and correct to the best of his knowledge, information and belief.

R.M. Nelson
Licensing Manager-Nuclear

STATE OF LOUISIANA)
) ss
PARISH OF ORLEANS)

Subscribed and sworn to before me, a Notary Public in and for the Parish and State above named this 26th day of February, 1986.

Notary Public

My Commission expires Life.