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Manager

W3P89-2164
A4.05
QA

January 10, 1990

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Subject: Waterford 3 SES
Docket No. 50-382
License No. NPF-38
LP&L Response to NRC Bulletin 89-02

Gentlemen:

Bulletin 89-02 was issued by the NRC to alert licensees of a problem with Anchor Darling model S350W swing check valves with ASTM A193 Grade B6 stainless steel (Type 410 SS) retaining block studs (bolts) or valves of similar design. In each case the licensees discovered valve internals which were damaged as a result of stress corrosion cracking. The bulletin identifies material heat treatment, high torque loads on the bolts, and process fluid chemistry (i.e., borated water) as the possible causes for the stress corrosion cracks.

To research whether Waterford has a similar problem, LP&L collated a list of safety-related check valves in the plant. LP&L then reviewed the vendor drawings for the listed valves to determine the internal configuration as well as the materials used for fabricating the internal parts. Based on this review, LP&L has concluded that Anchor Darling model S350W swing check valves are not installed at Waterford 3. In addition, none of the safety-related check valves have designs or material applications similar to that discussed in the bulletin.

During this review LP&L identified several check valves installed in safety-related systems which contain internal parts manufactured from type 410 SS (e.g., washers, pins, pin retainers and bearing plates). However, none of these valves are of a design similar to that of the Anchor Darling model S350W swing check valve. In addition, none of the type 410 SS parts referred to above simultaneously experience all of the typical precursors for stress corrosion cracking. Therefore, LP&L does not expect the problems recounted by Bulletin 89-02 to occur at Waterford.

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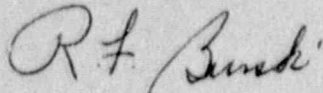
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If there are any questions, please contact me or Mr. L.W. Laughlin at (504) 464-3499.

Very truly yours,

A handwritten signature in cursive script, appearing to read "R.F. Bunk".

RFB/SEF/ssf

cc: Messrs. R.D. Martin, NRC Region IV

F.J. Hebdon, NRC-NRR

D.L. Wigginton, NRC-NRR

E.L. Blake

W.M. Stevenson

NRC Resident Inspectors Office

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the matter of

Louisiana Power & Light Company
Waterford 3 Steam Electric Station

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) Docket No. 50-382
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AFFIDAVIT

R.F. Burski, being duly sworn, hereby deposes and says that he is Nuclear Safety and Regulatory Affairs Manager of Louisiana Power & Light Company; that he is duly authorized to sign and file with the Nuclear Regulatory Commission the attached response to NRC Bulletin No. 88-02; 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.F. Burski

R.F. Burski
Nuclear Safety & Regulatory Affairs -
Manager

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 10th day of January, 1990.

Mary Ann Drake
Notary Public

My Commission expires life.