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 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co. 05000389
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 RECIP. NAME RECIPIENT AFFILIATION
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SUBJECT: Responds to NRC Bulletin 88-008, "Thermal Stresses in Piping Connected to RCS."

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SEPTEMBER 28 1988

L-88-432

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

Gentlemen:

Re: St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
NRC Bulletin 88-08
Thermal Stresses in Piping Connected to Reactor Coolant Systems

By the subject Bulletin, the NRC staff requested Licensees to 1) review their reactor coolant systems to identify any connected, unisolable piping that could be subjected to temperature distributions which would result in unacceptable thermal stress and 2) take action to ensure that the piping will not be subjected to unacceptable thermal stresses.

Attached is a complete response to item 1 and a determination that item 2 above is not applicable.

The attached information is provided pursuant to Section 182a of the Atomic Energy Act of 1954, as amended. If further information is required on this topic, please contact us.

Very truly yours,


W. F. Conway
Senior Vice President - Nuclear


WFC/GRM/cm

Enclosure

cc: Dr. J. Nelson Grace, Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, St. Lucie Plant

GRMTRSRS

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PDR ADOCK 05000335
Q PDC

Handwritten initials, possibly "JNL" or "JNG", with a vertical line through them.

an FPL Group company

STATE OF FLORIDA)
) ss.
COUNTY OF PALM BEACH)

W. F. Conway being first duly sworn, deposes and says:

That he is Senior Vice President- Nuclear of Florida Power & Light Company, the Licensee herein;

That he has executed the foregoing document; that the statements made in this document are true and correct to the best of his knowledge, information, and belief, and that he is authorized to execute the document on behalf of said Licensee.

W. F. Conway
W. F. Conway

Subscribed and sworn to before me this
28 day of September, 1988.

Roberta J. Economy
NOTARY PUBLIC, in and for the County
of Palm Beach, State of Florida

Notary Public, State of Florida
My Commission Expires June 1, 1989
Bonded Thru Troy Fain - Insurance, Inc.

My Commission expires: _____

ST. LUCIE UNITS 1 & 2
RESPONSE TO NRC BULLETIN 88-08

ACTION #1

Review systems connected to the RCS to determine whether unisolable sections of piping connected to the RCS can be subjected to stresses from temperature stratification or temperature oscillations that could be induced by leaking valves and that were not evaluated in the design analysis of the piping. For those addressees who determine that there are no unisolable sections of piping that can be subjected to such stresses, no additional actions are requested except for the report required below.

RESPONSE

FPL reviewed the following systems connected to or which are part of the Reactor Coolant System (RCS).

Reactor Coolant System
Chemical and Volume Control System
Safety Injection and Shutdown Cooling System
Waste Management System
Sample System
Refueling Water Level Indication System
Reactor Vessel Gas Vent System

No unisolable sections of piping connected to the RCS at St. Lucie Units 1 & 2 can be subjected to excessive thermal stresses from temperature stratification or temperature oscillations that could be induced by leaking valves that were not evaluated in the design analysis of the piping. Therefore, no additional actions by FPL are required.

ACTION #2

For any unisolable sections of piping connected to the RCS that may have been subjected to excessive thermal stresses, examine nondestructively the welds, heat-affected zones and high stress locations, including geometric discontinuities, in the piping to provide assurance that there are no existing flaws.

RESPONSE

Not applicable.

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ACTION #3

Plan and implement a program to provide continuing assurance that unisolable sections of all piping connected to the RCS will not be subjected to combined cyclic and static thermal and other stresses that could cause fatigue failure during the remaining life of the unit.

RESPONSE

Not applicable.

ACTION #4

For operating plants not in extended outages, Action 1 should be completed within 60 days of receipt of this bulletin, and Actions 2 and 3, if required, should be completed before the end of the next refueling outage. If the next refueling outage ends within 90 days after receipt of this bulletin, then Actions 2 and 3 may be completed before the end of the following refueling outage.

RESPONSE

Action 1 was completed on August 30, 1988 which is 60 days after the date FPL received Bulletin 88-08. Actions 2 and 3 are not required.