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FPL

FLORIDA POWER & LIGHT COMPANY

Central File

August 4, 1980
L-80-252

Mr. James P. O'Reilly, Director, Region II
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

Re: ~~RII:JPO~~
50-335
IE Bulletin 80-06

As discussed in our initial response to the subject Bulletin (FPL letter L-80-198, dated June 20, 1980), we have examined the Engineered Safety Feature (ESF) equipment which does not remain in its emergency mode upon receipt of an ESF reset signal. A discussion of our anticipated action on each item is included in the attachment to this letter.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/MAS/cph

Attachment

cc: Director, Office of Inspection and Enforcement
Harold F. Reis, Esquire

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ATTACHMENT

Re: RII:JPO
50-335
I&E Bulletin 80-06

Engineered Safety Feature (ESF) Reset Controls

In order to complete the response to item 3 to the subject NRC Bulletin, we are providing our rationale for either defending the present design or implementing changes to equipment that returns to its normal position after ESFAS is reset.

SI Tank Isolation Valves V-2624; V-3644; V-3634; V-3614

These valves are normally locked open and do not close during power operation. The SIAS and reset do not change the status of this circuit. These valves are permitted to close only during a shutdown mode and only if the pressurizer pressure is below a setpoint value. SIAS will override low pressurizer pressure and reopen these valves. A SIAS reset will place these valves in a permissive mode, to be closed on low pressurizer pressure. Since during power operation these valves are locked open, no changes are planned.

SI Tanks Check Valve Leakoff Valves HCV-3628; HCV-3618; HCV-3638; HCV-3648

These valves are normally closed. Operator action is required to open these valves if pressure is above a setpoint value. The operator is required to reclose these valves once the draining process has been accomplished. SIAS action will close these valves. The SIAS reset will return these valves to the position they had before the SIAS. The circuits for these valves do not need to be changed because the reset action is not detrimental to the emergency mode of operation.

Diesel Generator Lockout Relays

During an emergency mode of operation all Diesel Generator (DG) trips, except differential current and overspeed, are bypassed by an ESFAS. ESFAS reset will restore the DG trip circuits provided that the emergency bus tie breakers are closed. Since the reset restores all DG trips only if the emergency bus tie breakers are closed, no changes are planned for these circuits.

FWP 1A Discharge Valves MV-09-1 and MV-09-2

During normal operation these valves are interlocked with the FW pumps. When the pumps are running the valves are open, and close when the pumps are stopped. During an emergency mode, the ESFAS will close these valves. The ESFAS reset will reopen the valves only if the FWP's are still running. Since the operator is expected to manually trip the FWP's if they are still running after a FW System isolation, no change is planned for these circuits.

The circuits of the Boric Acid Make-up Pumps, Boric Acid Tank Recirc. Line Valves, Boric Acid Control Isolation Valve, and VCT Discharge Valve are designed such that an ESFAS reset returns the components to their normal position (position before ESFAS actuation). All these components are part of the Chemical and Volume Control System and control the boration of the RCS. ESFAS reset places these circuits in their pre-emergency position thus diluting the boron concentration.

Since boration is continued, this operation is not detrimental to safety, therefore, therefore no changes are planned. The SIAS action of these items is as follows:

Boric Acid Make-up Pumps

The Boric Acid Make-up Pumps are started by SIAS. SIAS reset returns the pumps to VCT level control.

Boric Acid Tank Recirc. Line Valves V-2510 and V-2511

These valves are normally open. SIAS closes these valves. SIAS reset reopens the valves.

Boric Acid Control Isolation Valve FCV-2161

This valve is normally open. SIAS closes this valve. SIAS reset reopens the valve.

VCT Discharge Valve V-2501

This is a normally open valve operating on VCT level control. SIAS closes the valve. SIAS reset returns the valve to VCT level control.

RCP Oil Lift Pumps

There are two oil lift pumps for each RCP. One of the pumps receives an automatic diesel loading inhibit signal on SIAS. The reset of SIAS will return these pumps to auto control. Since the reset action is not detrimental to the emergency mode operation, no changes are planned for these circuits.

Charging Pumps

The Charging Pumps are started on SIAS. A SIAS reset will return the Charging Pump to automatic pressurizer level control (A Hi-Hi Pressurizer Pressure will stop the Charging Pumps after a SIAS reset). The pressurizer level control circuit is non-class 1E. Since the circuit is non-class 1E, the charging pump circuit will be changed such that a SIAS reset will not change the status of these pumps and operator action will be required to stop these pumps after a reset.