



FLORIDA POWER & LIGHT COMPANY

April 17, 1981

L-81-170

Central File

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
50-250/50-251
IE Bulletin 80-06

Please find attached our response to your request for additional information on the subject Bulletin dated February 23, 1981. The responses have been numbered in the same sequence as shown on the NRC request.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/JEM/mbd

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

8104240277

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Additional Information
Turkey Point Units 3 & 4
Bulletin 80-06 Modifications
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- A. The following modifications are scheduled for completion during the upcoming steam generator inspection outages for each unit depending upon availability of materials. The outages are scheduled to start July 1981 for Unit 4 and September 1981 for Unit 3. Listed below are the descriptions of the modifications.
1. Containment Cooling Fans

A reset push button has been provided to remove the CIA interlock to allow the fan to start again.

Reset of CIA signal will not change the status of the fan. The fan remains in the stop condition. An auxiliary relay was required.
 2. Containment Sump Pump

A limit switch contact from the containment sump pump discharge valve to the waste hold-up tank will prevent the starting of the pump when the valve is closed even though the SIS is reset. The discharge valve closes upon CIA. After reset of CIA, it is necessary to use the valve switch to open the valve again.
 3. Containment Isolation Air Sample Valve

The maintained contact switch will be replaced by a close-auto-open switch spring return from open to auto.

Once the valve is open the switch remains in the auto position. CIA signal closes the valve, and after reset (CIA), the valve remains closed until the switch is turned again to the open position. An auxiliary relay is required.
 4. Turbine Plant Cooling Water Stop Valve

The safeguard sequencer will close this valve. A reset P.B. has been provided to allow the valve to open again.

Upon sequencer reset the valve remains in the closed position until the valve reset is pressed. An auxiliary relay was required.
- B. The control circuits will be tested after the installation of the modifications is completed.
- C. All safety-related equipment will remain in its emergency mode upon reset of the ESF signal, once the modifications are completed.
- D. 1. Feedwater Main Control Signals
- These valves have (3) solenoids in series, de-energize to close.
 - Any solenoid de-energized will close the valve.
 - Sol. A receives SIS or Hi-Hi S.G. level signal plus reactor trip
 - Sol. B receives low Tavg. plus reactor trip.
 - Sol. C receives SIS or Hi-Hi S.G. Level signal.

2. The reactor trip signal is in series with the signal that actuates Sol. A & B through auxiliary relays which have seal-in contacts.
3. Resetting of any safety signal will not open the valve until the Reactor Trip breaker is closed.
4. Feedwater By-pass Control Valves Signals
 - These valves have two solenoids in series energized to closed.
 - Any solenoid energized closes the valve.
 - Sol. A - receives SIS or Hi-Hi S.G. Level signal
 - Sol. B - receives SIS or Hi-Hi S.G. Level signal
5. These safety signals close the valve and at the same time energize a latching relay so that when the safety signals are reset the valve remains closed until we reset the latching relay.
6. The manual reset for the latching relay causes the by-pass valve to modulate open. However, this reset pushbutton is specific for the equipment and it is a deliberate action by the operator to gain control of the equipment.
7. The feedwater main control valve will trip closed upon SIS, Hi-Hi steam generator level or low reactor coolant TAVG in coincidence with reactor trip or without reactor trip. Since there are three solenoids in series to combine these signals, any tripped solenoid will close the valve.

The two solenoids interlocked with the reactor trip are sealed-in through auxiliary relays. When the safety signal is reset, the solenoids maintain the valve closed until the reactor trip breaker is closed again.

The third solenoid does not have reactor trip interlock. However, any time we have a true SIS a reactor trip is generated and even though the third valve opens upon SIS reset the other solenoids maintain the valve closed until the reactor trip breaker is closed again.

The feedwater by-pass closes upon SIS or Hi-Hi steam generator level and remains in the closed position by means of a latching relay. Upon safety signal reset the valve remains closed until the valve reset pushbutton de-energizes the latching relay causing the valve to modulate.

