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 50-270 Oconee Nuclear Station, Unit 2, Duke Power Co.
 50-287 Oconee Nuclear Station, Unit 3, Duke Power Co.

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 STOLZ, J. F. Assistant Director for Licensing

SUBJECT: Proposes testing as suppl to 801008 ltr re emergency feedwater initiation & anticipatory reactor trip pressure switches. Pressure surges do occur which could cause switch actuation. Design mods underway.

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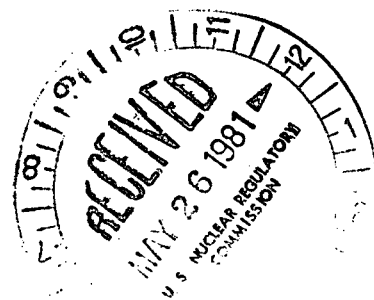
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May 22, 1981

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Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attn: J. F. Stolz, Chief
Operating Reactors Branch No. 4

Re: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287

Dear Sir:

This letter supplements my letter of October 8, 1980 and provides the results of recent tests of the Emergency Feedwater Initiation and Anticipatory Reactor Trip pressure switches on Oconee Unit 3. My letter of October 7, 1980 provided detailed design information on the reactor trip while the above letter of October 8, 1980 provided detailed design information on the initiation circuitry.

Based on the results of the tests, it has been determined that pressure surges of sufficient magnitude do occur which could cause actuation of similar pressure switches on the same impulse line when the particular pressure switch being tested is valved in. These surges occur in the impulse line which senses main Feedwater pump discharge pressure. Actuation of one particular pressure switch in the discharge pressure impulse line will indicate a loss of main Feedwater pump which will cause a unit runback. As such, the following testing of pressure switches is proposed:

Description	Test	Calibration
1. RPS Anticipatory Reactor Trip System Loss of Turbine Pressure Switches	Monthly	Each refueling outage
2. RPS Anticipatory Reactor Trip System Loss of Main Feedwater		
a. Control Oil Pressure Switches	Monthly	Each refueling outage
b. Discharge Pressure Switches	Each Cold Shut- down not to ex- ceed once per month	Each refueling outage

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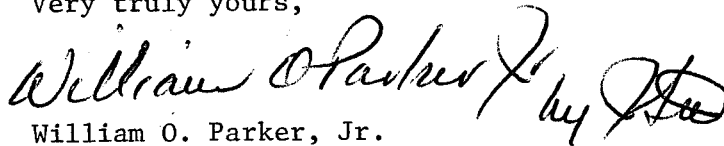
3. Auxiliary Feedwater Initiation
Circuits

- | | | |
|----------------------------------|--|-----------------------|
| a. Control Oil Pressure Switches | Monthly | Each refueling outage |
| b. Discharge Pressure Switches | Each Cold Shutdown
not to exceed once
per month. | Each refueling outage |

This testing frequency is considered acceptable since the EFW initiation circuitry senses the loss of main feedwater by functionally diverse means i.e. discharge pressure and control oil pressure. Since either the control oil pressure switches or the discharge pressure switches are sufficient to satisfy the single failure criteria, it is not considered necessary to test both while the unit is on line.

Testing is described in items 1, 2a, 2b, and 3b is currently be conducted. In order to conduct item 3a testing at power, a modification to the test circuit is required. The design work for this modification is in progress and upon implementation, will allow testing at power. In the interim, the periodic testing for item 3a will be conducted each cold shutdown, not to exceed once per month.

Very truly yours,


William O. Parker, Jr.

WOP/djs