March 23, 1

Docket Nos. 50-338
and 50-339

Mr. W. L. Stewart
Senior Vice President - Nuclear
Virginia Electric and Power Company
5000 Dominion Blvd.
Glen Allen, Virginia 23060

Dear Mr. Stewart:

SUBJECT: NORTH ANNA UNITS 1 AND 2 - CORRECTION TO AMENDMENTS REGARDING ELIMINATION OF RESISTANCE TEMPERATURE DETECTORS AND SUBSTITUTION OF THERMOWELLS (TAC NOS. M82838 AND M82839)

On May 15, 1992, we issued Amendment Nos. 161 and 142 for the North Anna Power Station, Units 1 and 2. The amendments eliminated the use of reactor coolant resistance temperature detectors and implemented in its place the use of thermowells that extend into the main reactor.

On March 12, 1993, you informed us of an administrative error on TS page 3/4-10 for NA-1&2 for the limits specified on the response time for functional unit No. 7, Overtemperature ΔT. Enclosed are the correct pages 3/4-10 for NA-1&2, as well as the overleaf pages.

Sincerely,

(Original Signed By)

Leon B. Engle, Project Manager
Project Directorate II-2
Division of Reactor Projects - I/II

Enclosure:
As stated

cc: See next page

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Mr. W. L. Stewart
Virginia Electric & Power Company

North Anna Power Station
Units 1 and 2

cc:
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P.O. Box 402
Mineral, Virginia 23117

TABLE 3.3-1 (Continued)

REACTOR TRIP SYSTEM INTERLOCKS

DESIGNATION	CONDITION	SETPOINT	ALLOWABLE VALUES	FUNCTION
P-7 (Cont'd)	3 of 4 Power range below setpoint and 2 of 2 Turbine Impulse chamber pressure below setpoint (Power level decreasing)	8% 8%	>7% >7%	Prevents reactor trip when any of the following occur: low flow, reactor coolant pump breakers open, undervoltage (RCP busses), underfrequency (RCP busses), pressurizer low pressure or pressurizer high level.
P-8	2 of 4 Power range above setpoint (Power level increasing)	30%	<31%	Allows reactor trip when any of the following occur: low flow in a single loop, a single reactor coolant pump breaker open, or a turbine trip.
	3 of 4 Power range below setpoint (Power level decreasing)	28%	>27%	Prevents reactor trip when any of the following occur: low flow in a single loop, a single reactor coolant pump breaker open, or a turbine trip.

TABLE 3.3-2
REACTOR TRIP SYSTEM INSTRUMENTATION RESPONSE TIMES

FUNCTIONAL UNIT		RESPONSE TIMES
1.	Manual Reactor Trip	NOT APPLICABLE
2.	Power Range, Neutron Flux	≤ 0.5 seconds *
3.	Power Range, Neutron Flux High Positive Rate	NOT APPLICABLE
4.	Power Range, Neutron Flux High negative Rate	≤ 0.5 seconds *
5.	Intermediate Range, Neutron Flux	NOT APPLICABLE
6.	Source Range, Neutron Flux	≤ 0.5 seconds *
7.	Overtemperature ΔT	≤ 5.75 seconds*
8.	Overpower ΔT	NOT APPLICABLE
9.	Pressurizer Pressure – Low	≤ 2.0 seconds
10.	Pressurizer Pressure – High	≤ 2.0 seconds
11.	Pressurizer Water Level – High	≤ 2.0 seconds

* Neutron detectors are exempt from response time testing. Response of the neutron flux signal portion of the channel time shall be measures from the detector output or input of the first electronic component in the channel.

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