

TABLE 3.3-1 (Continued)

REACTOR TRIP SYSTEM INTERLOCKS

NORTH ANNA-UNIT 1

3/4 3-8

DESIGNATION	CONDITION	SETPOINT	ALLOWABLE VALUES	FUNCTION
P-6	1 of 2 Intermediate range above setpoint (increasing power level)	1×10^{-10}	$< 3 \times 10^{-10}$	Allows manual block of source range reactor trip
	2 of 2 Intermediate range below setpoint (decreasing power level)	5×10^{-11}	$> 3 \times 10^{-11}$	Defeats the block of source range reactor trip
P-10	2 or 4 Power range above set- point (increasing power level)	10%	$< 11\%$	Allows manual block of power range (low setpoint) and intermediate range reactor trips and intermediate range rod stop. Blocks source range reactor trip.
	3 of 4 Power range below set- point (decreasing power level)	8%	$> 7\%$	Defeats the block of power range (low setpoint) and intermediate range reactor trips and intermediate range rod stop.
P-7	2 of 4 Power range above set- point or	10%	$< 11\%$	Input to P-7
	1 of 2 Turbine Impulse chamber pressure above setpoint	10% full load turbine impulse chamber pressure	$< 11\%$	Allows reactor trip on: Low flow or reactor coolant pump breakers open in more than one loop, Undervoltage (RCP busses), Underfrequen- cy (RCP busses), Turbine Trip, Pressurizer low pres- sure, and Pressurizer high level.

(Power level increasing)

ATTACHMENT 2

TABLE 3.3-1 (Continued)

REACTOR TRIP SYSTEM INTERLOCKS

<u>DESIGNATION</u>	<u>CONDITION</u>	<u>SETPOINT</u>	<u>ALLOWABLE VALUES</u>	<u>FUNCTION</u>
P-6	1 of 2 Intermediate range above setpoint (increasing power level)	1×10^{-10}	$< 3 \times 10^{-10}$	Allows manual block of source range reactor trip
	2 of 2 Intermediate range below setpoint (decreasing power level)	5×10^{-11}	$> 3 \times 10^{-11}$	Defeats the block of source range reactor trip
P-10	2 or 4 Power range above set- point (increasing power level)	10%	$< 11\%$	Allows manual block of power range (low setpoint) and intermediate range reactor trips and intermediate range rod stop. Blocks source range reactor trip.
	3 of 4 Power range below set- point (decreasing power level)	8%	$> 7\%$	Defeats the block of power range (low setpoint) and intermediate range reactor trips and intermediate range rod stop.
				Input to P-7
P-7	2 of 4 Power range above set- point or 1 of 2 Turbine Impulse chamber pressure above setpoint	10%	$< 11\%$	Allows reactor trip on: Low flow or reactor coolant pump breakers open in more than one loop, Undervoltage (RCP busses), Underfrequen- cy (RCP busses), Turbine Trip, Pressurizer low pres- sure, and Pressurizer high level.
		10% full load turbine impulse chamber pressure	$< 11\%$	

(Power level increasing)

ATTACHMENT 3

DISCUSSION OF PROPOSED TECHNICAL SPECIFICATION CHANGES

Having the input to P-7 from turbine impulse pressure based on Rated Thermal Power rather than Turbine Load is an apparent administrative error. Westinghouse setpoint for P-13 is impulse pressure at 10% of Turbine Load. The P-13 interlock is the input from the impulse pressure channels to P-7. The proposed change will allow the system to be operated as designed. This change is consistent with the Setpoint Study/PLS for North Anna.

Therefore, the probability of occurrence or the consequences of a malfunction of equipment important to safety and previously evaluated in the FSAR is not increased, the possibility of a different type of accident or malfunction than was previously evaluated in the FSAR has not been created and the margin of safety as described in the BASIS section of any part of the Technical Specification is not reduced.

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LINE	DATE	INVOICE NO./OR DESCRIPTION	GROSS AMOUNT	DISCOUNT	NET AMOUNT
1	12/22/83	NA 1 & 2 TECK SPEC CHAN	1,600.00	0.00	1,600.00

ATTACHED CHECK ISSUED AS PAYMENT OF ITEMS LISTED ABOVE - PLEASE DETACH STUB AND CASH CHECK PROMPTLY.

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