

TABLE 1

RBM Rod Block Setpoint Summary

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|--|----------------|
| 1. Current Tech. Spec -
2 Pump Operation | RB = .65W + 45 |
| 2. Proposed (July 9, 1975)
App. K Tech. Spec -
2 Pump Operation | RB = .58W + 49 |
| 3. Combination of (1) and
(2) for Administrative
Limit until App. K Tech.
Specs. Issued - 2 Pump
Operation | RB = .65W + 42 |
| 4. NEDO - 20999 Requirement
Applied to Current Tech.
Spec - 1 Pump Operation | RB = .65W + 42 |
| 5. NEDO - 20999 Requirement
Applied to Proposed App.
K Tech. Spec - 1 Pump
Operation (Proposed
Herein) | RB = .58W + 46 |
| 6. Combination of (4) and (5)
for Administrative Limit
Until App. K Tech. Specs.
Issued - 1 Pump Operation | RB = .65W + 39 |

Table 3.
REACTOR PROTECTION SYSTEM (SCRAM) II DOCUMENTATION REQUIREMENT

Minimum Number of Operable Inst. Channels per Trip (1) System	Trip Function	Trip Level Setting	Modes in Which Function Must Be Operable			Action (1)
			Refuel (7)	Startup/Hot Standby	Run	
1	Mode Switch in Shutdown		X	X	X	A
1	Manual Scram		X	X	X	A
3	IRM High Flux	≤ 120/125 of full scale	X	X	(5)	A 8
3	Inoperative		X	X	(5)	A
2	APRM High Flux	* (14) (15)	(17)	(17)	X	A or B 8
2	Inoperative		X	X(9)	X	A or B
2	Downscale	≥ 2.5 Indicated on Scale	(11)	(11)	X(12)	A or B
2	High Flux (15%)	≤ 15% of Design Power	X	X	(16)	A or B 8
2	High Reactor Pressure	≤ 1085 psig	X(10)	X	X	A
2	High Drywell Pressure	≤ 2 psig	X(8)	X(8)	X	A
2	Reactor Low Water Level	≥ 9 In. Indicated Level	X	X	X	A
2	High Water Level in Scram Discharge Tank	≤ 39 Gallons	X(2)	X	X	A
2	Turbine Condenser Low Vacuum	≥ 23 In. Hg. Vacuum	X(3)	X(3)	X	A or C
2	Main Steam Line High Radiation	≤ 7X Normal Full Power Background	X	X	X	A or C
4	Main Steam Line Isolation Valve Closure	≤ 10% Valve Closure	X(3)(6)	X(3)(6)	X(6)	A or C
2	Turb. Cont. Valve Fast Closure	≥ 150 psig Control Oil Pressure at Acceleration Relay	X(4)	X(4)	X(4)	A or D
4	Turbine Stop Valve Closure	≤ 10% Valve Closure	X(4)	X(4)	X(4)	A or D

*APRM high flux scram setpoint $\leq (.58W + 62) \frac{A}{MTPF}$
 $\leq (.58W + 59) \frac{A}{MTPF}$

Two recirc. pump operation

One recirc. pump operation

Feb., 1976

Feb., 1976

PNPS

TABLE 3.2.C

INSTRUMENTATION THAT INITIATES ROD BLOCKS

<u>Minimum # of Operable Instrument Channels Per Trip Systems (1)</u>	<u>Instrument</u>	<u>Trip Level Setting</u>	
2	APRM Upscale (Flow Biased)	$(0.58W + 49) \left[\frac{A}{MTPF} \right] **$	(2)
2	APRM Downscale	$(0.58W + 46) \left[\frac{A}{MTPF} \right] *$	
1 (7)	Rod Block Monitor (Flow Biased)	2.5 indicated on scale	
1 (7)	Rod Block Monitor Downscale	$(0.58W + 49) **$ $(0.58W + 46) *$	(2)
3	IRM Downscale (3)	5/125 of full scale	
3	IRM Detector not in Startup Position	5/125 of full scale	
3	IRM Upscale	(8)	
2 (5)	SRM Detector not in Startup Position	$\leq 108/125$ of full scale	
2 (5) (6)	SRM Upscale	(4)	
		$\leq 10^5$ counts/sec.	

*One Recirc. Pump Operation

**Two Recirc. Pump Operation

February, 1976

July 1975 July 1975