TABLE 3.1.1 PROTECTIVE INSTRUMENTATION REQUIREMENTS (Continued)

		Reactor Modes In Which Function Hunt be Operable				Hin. No. of Operable or Operating (Tripped) Trip	Min. No. of Operable Instrument Channels Par	Action
netton	Trlp Setting	Shutdown	Refuel	Startup	Run	Syntems	Trip Systems	Regul red*
2. Low-Louglaw Reactor Water	24'8" above	X(v)	X(v)	X(v)	Χ.	2	2	See note h.
Level 1. AC Voltage	nctive fuel			X(v)	X	2	2	depressurt for on loss of AC power. See note
H. Inolation Condender In 1. High Flow Steam	S20psig P	X(a)	X(s)	x	x	2	2	Inolate Affected
2. High Flow Con- densate line	£27" P 1120	X(ø)	X(e)	Χ .	, x	2	. 2	densor, comply with Spec. 3.8 See Bote dd.
1.011gan Syntem Inolation 1.111gh Radiation In Offgan Line (c)	10 x Stack Release limit (See 3.6-A.1)	X(a)	X(a)	x	х	1	2	Isolate reactor or trip the imperable in- strument channel
J.Reactor Building Inola Standby Can Treatment								Bidg. & Initiate Standby Gas Trest
T. High Radiation Reactor Building	≤100 Hr/Hr	X(w)	X(4)		x	. 1	1	Minual Survelll-
7. Reactor Aldg. Ventilation	≤17 Hr/Hr	X(v)	X(w)	x	x	1	1	than 24 hours (total for all b
Exhaunt 3. High Dryvell Pressure	≤ 2.4 psig	X(11)	X(u)	χ	X.	1(k)	2(k)	J) in any 30-day
4. Low Low Reactor Water Level	27'2" above top of active fuel	x (gg)	Х .	X	. x.	1		

TABLE 3.1.1 (CONT'D)

- v. These functions not required to be operable when the ADS is not required to be operable.
- w. These functions must be operable only when irradiated fuel is in the fuel pool or reactor vessel and secondary containment integrity is required per specification 3.5.B.
- y. The number of operable channels may be reduced to 2 per Specification 3.9-E and F.
- z. The bypass function to permit scram reset in the shutdown or refuel mode with control rod block must be operable in this mode.
- aa. Pump circuit breakers will be tripped in 10 seconds + 15% during a LOCA by relays SK7A and SK8A.
- bb. Pump circuit breakers will trip instantaneously during a LOCA.
- cc. Only applicable during startup mode while operating in IRM range 10.
- dd. If an isolation condenser inlet (steam side) isolation valve becomes or is made inoperable in the open position during the run mode comply with Specification 3.8.E. If an AC motor-operated outlet (condensate return) isolation valve becomes or is made inoperable in the open position during the run mode comply with Specification 3.8.F.
- ee. With the number of operable channels one less than the Min. No. of Operable Instrument Channels per Operable Trip Systems, operation may proceed until performance of the next required Channel Functional Test provided the inoperable channel is placed in the tripped condition within 1 hour.
- ff. This function is not required to be operable when the associated safety bus is not required to be energized or fully operable as per applicable sections of these technical specifications.
- gg. These functions are not required to be operable when secondary containment is not required to be maintained or when the conditions of section 3.5.B.l.a, b, c, and d are met. Reactor water level will be monitored during these periods.

TABLE 3.1.1 PROTECTIVE INSTRUMERTATION REQUIREMENTS (CONTD)

		Trip Setting	Reactor Modes in Which Function Must Be Operable				Hin. No. of Operable or Operating (Tripped)Trip		Action
	Function		Shutdown	Refuel	Startup	Run	Systems	Trip Systems	Required*
в.	Reactor Isolation								Close main steam isolation valves
	1. Low-Low Reactor Water Level	** .	X (gg)	X	х	Х	2	2	tion condenser vent valves, or
	2. High Flow in Hain Stenn-	≤ 120% rated	x (s)	χ(s)	х	Х	2	2	place in cold shutdown condi-
	line A						*		tion
	3. High Flow in Main Steam- line B	∡ 120% rated	χ(s)	χ(s)	x	X	2	2 .	
	4. High Tempera- ture in Hain Steamline Tunnel	1 Amblent at Power + 50°F	χ(s)	X(s)	X	X	2	2	
	5. Low Pressure in Hain Steam-	**			X(cc)	X	2	2	
	6. High Radiation in Hain Stema Tunnel	△ 10X Normal Background	X (s)	X(s)	x	X	2	2	
c.	Inolation Condenser								
	1. High Reactor	**	χ(s)	X(s)	х	.х	2	2	Place plant in cold shutdown condition
	2. Low-Low Reactor Water	2. I'2" above top of	X(:-)	X(s)	х	x	2	2	