

ATTACHMENT 24  
RADIATION MONITORING INSTRUMENTATION

1. Table 3.3-6 ( pg. 3/4 3-40 ) Radiation Monitoring Instrumentation for Plant Operations

In Item 5 on Table 3.3-6 change the Alarm/Trip Setpoint from  $\leq 1.0 \text{ E-5 uCi/cc}$  to  $\leq 2\text{mR/h}$ . The original calculation for the control room air intake process radiation monitors (ORE-PR031, ORE-PR032, ORE-PR033, and ORE-PR034) alarm setpoint was based on semi-infinite noble gas cloud assumptions. Since we are dealing with a finite area (the control room) a correction needs to be applied to correlate the submersion dose rate in the control room to a finite noble gas cloud. Based on a finite cloud assumption, the current Tech Spec alarm setpoint of  $1 \times 10^{-5}$  microcuries per cc correlates to a dose rate of .01 mR/hr. This ultra conservative setpoint is causing unnecessary LER(s) as the PR monitor is going into an alarm/interlock condition with normal background radiation. In addition, this setpoint is not consistent with the Standardized Tech Specs limit of 2 mR/hr. Therefore, it is requested that the Standard Tech Spec limit of 2 mR/hr be applied to the Byron control room air intake monitors.

TABLE 3.3-6

## RADIATION MONITORING INSTRUMENTATION FOR PLANT OPERATIONS

FUNCTIONAL UNIT	CHANNELS TO TRIP/ALARM	MINIMUM CHANNELS OPERABLE	APPLICABLE MODES	ALARM/TRIP SETPOINT	ACTION
1. Fuel Building Isolation- Radioactivity-High and Criticality (ORE-AR055/56)	1	2	*	<5 mR/h	29
2. Containment Isolation- Containment Radioactivity- High (IRE-AR011/12)	1	2	All	**	26
3. Gaseous Radioactivity- RCS Leakage Detection (IRE-PR011B)	N.A.	1	1, 2, 3, 4	N.A.	28
4. Particulate Radioactivity- RCS Leakage Detection (IRE-PR011A)	N.A.	1	1, 2, 3, 4	N.A.	28
5. Main Control Room Isolation- Outside Air intake-Gaseous Radioactivity-High (ORE-PR031B/32B and ORE-PR033B/34B)	1	2 per intake	All	$\leq 2 \text{ mR/h}$ <del>1.0E-10</del> <del>10<sup>-10</sup> R/h</del>	27

OCT 26 1984

ATTACHMENT 25  
CONTAINMENT ISOLATION VALVES

1. Table 3.6-1 (pg. 3/4 6-22) Containment Isolation Valves

Add a "#" sign to valves 1PRO02E, 1PRO33A, 1PRO33B, 1PRO02F, 1PRO33C, and 1PRO33D on Table 3.6-1, page 3/4 6-22. These valves are located around the equipment hatch and are required to be opened periodically for sampling.

DET 25 304

TABLE 3.6-1 (Continued)

CONTAINMENT ISOLATION VALVES

<u>PENETRATION</u>	<u>VALVE NO.</u>	<u>FUNCTION</u>	<u>MAXIMUM ISOLATION TIME (SEC)</u>
8. <u>Remote Manual</u> (Continued)			
59	1SI8802A*	Hot Leg Safety Injection	N/A
73	1SI8802B*	Hot Leg Safety Injection	N/A
60	1SI8835*	Hot Leg Safety Injection	N/A
50	1SI8809A*	RH Cold Leg Injection	N/A
51	1SI8809B*	RH Cold Leg Injection	N/A
66	1SI8840*	Hot Leg Safety Injection	N/A
100	1AF013A*	Feedwater	N/A
100	1AF013E*	Feedwater	N/A
101	1AF013B*	Feedwater	N/A
101	1AF013F*	Feedwater	N/A
102	1AF013C*	Feedwater	N/A
102	1AF013G*	Feedwater	N/A
99	1AF013D*	Feedwater	N/A
99	1AF013H*	Feedwater	N/A
9. <u>Manual</u>			
37	1CV8346*	RCS Loop Fill	N/A
13	1VQ016	Instrument Penetration	N/A
13	1VQ017	Instrument Penetration	N/A
13	1VQ018	Instrument Penetration	N/A
13	1VQ019	Instrument Penetration	N/A
15	1RY075	Instrument Penetration	N/A
30	1WM190	Make-Up Demin	N/A
57	1FC009	Spent Fuel Pool Cleaning	N/A
57	1FC010	Spent Fuel Pool Cleaning	N/A
32	1FC011	Spent Fuel Pool Cleaning	N/A
32	1FC012	Spent Fuel Pool Cleaning	N/A
77	1MS021D*	Main Steam	N/A
78	1MS021A*	Main Steam	N/A
85	1MS021B*	Main Steam	N/A
86	1MS021C*	Main Steam	N/A
AL	1PR002E #	Process Radiation	N/A
AL	1PR033A #	Process Radiation	N/A
AL	1PR033B #	Process Radiation	N/A
AL	1PR002F #	Process Radiation	N/A
AL	1PR033C #	Process Radiation	N/A
AL	1PR033D #	Process Radiation	N/A