3/4.4.2 SAFETY/RELIEF VALVES

LIMITING CONDITION FOR OPERATION

3.4.2 The safety valve function of eighteen reactor coolant system safety/ relief valves shall be OPERABLE with the specified code safety valve function lift settings.*#

   a. 4 safety/relief valves @ 1205 psig ± 1%
   b. 4 safety/relief valves @ 1195 psig ± 1%
   c. 4 safety/relief valves @ 1185 psig ± 1%
   d. 4 safety/relief valves @ 1175 psig ± 1%
   e. 2 safety/relief valves @ 1146 psig ± 1%

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2 and 3.

ACTION:

   a. With the safety valve function of one or more of the above required safety/relief valves inoperable, be in at least HOT SHUTDOWN within 12 hours and in COLD SHUTDOWN within the next 24 hours.

   b. With one or more safety/relief valves stuck open, provided that suppression pool average water temperature is less than 110°F, close the stuck open relief valve(s); if unable to close the open valve(s) within 2 minutes or if suppression pool average water temperature is 110°F or greater, place the reactor mode switch in the Shutdown position.

   c. With one or more safety/relief valve stem position indicators inoperable, restore the inoperable stem position indicators to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

SURVEILLANCE REQUIREMENTS

4.4.2.1 The safety/relief valve stem position indicators of each safety/relief valve shall be demonstrated OPERABLE by performance of a:

   a. CHANNEL CHECK at least once per 31 days, and a
   b. CHANNEL CALIBRATION at least once per 18 months.**

4.4.2.2 The low low set function shall be demonstrated not to interfere with the OPERABILITY of the safety relief valves or the ADS by performance of a CHANNEL CALIBRATION at least once per 18 months.

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*The lift setting pressure shall correspond to ambient conditions of the valves at nominal operating temperatures and pressures.

#Up to two inoperable valves may be replaced with spare OPERABLE valves with lower setpoints until the next refueling outage.

**The provisions of Specification 4.0.4 are not applicable provided the surveillance is performed within 12 hours after reactor steam pressure is adequate to perform the test.

TABLE 3.12.1-1

RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

Exposure Pathway and/or Sample	Number of Samples and Sample Locations*	Sampling and Collection Frequency	Type and Frequency of Analysis
1. AIRBORNE			
Radioiodine and Particulates	5 Locations	Continuous operation of sampler with sample collection as required by dust loading but at least once per 7 days.	Radioiodine canister. Analyze at least once per 7 days for I-131. Particulate sampler. Analyze for gross beta radioactivity > 24 hours following filter change. Perform gamma isotopic analysis on each sample when gross beta activity is > 10 times the yearly mean of control samples. Perform gamma isotopic analysis on composite (by location) sample at least once per 92 days.
2. DIRECT RADIATION	38 Locations > 2 dosimeters or > 1 instrument for continuously measuring and recording dose rate at each location.	At least once per 31 days. or At least once per 92 days. (Read-out frequencies are determined by type of dosimeters selected.)	Gamma dose. At least once per 31 days. or Gamma dose. At least once per 92 days.

Figure 6.1-3

MINIMUM SHIFT CREW COMPOSITION

WITH UNIT 2 IN CONDITION 1, 2, OR 3		
POSITION	NUMBER OF INDIVIDUALS REQUIRED TO FILL POSITION	
	CONDITIONS 1, 2 and 3	CONDITIONS 4 and 5
SE	1^a	1^a
SF	1^a	None
RO	2^b	1
AO	2^b	1
SCRE	1^a	None

or, whenever a SCRE (SRO/STA) is not included in the shift crew composition, the minimum shift crew composition shall be as follows:

WITH UNIT 2 IN CONDITION 1, 2, OR 3		
POSITION	NUMBER OF INDIVIDUALS REQUIRED TO FILL POSITION	
	CONDITIONS 1, 2 and 3	CONDITIONS 4 and 5
SE	1^a	1^a
SF	1^a	None
RO	2^b	1
AO	2^b	1
STA	1^a	None

WITH UNIT 2 IN CONDITION 4 OR 5 OR DEFUELED		
POSITION	NUMBER OF INDIVIDUALS REQUIRED TO FILL POSITION	
	CONDITIONS 1, 2 and 3	CONDITIONS 4 and 5
SE	1^a	1^a
SF	1	None
RO	2	1
AO	2	2^b
STA	1	None