

PROPOSED CHANGE  
TECHNICAL SPECIFICATIONS  
SALEM GENERATING STATION  
UNIT NOS. 1 AND 2

DESCRIPTION OF CHANGE

A new page, 3/4 6-8a, containing specifications on Containment Purge Supply and Exhaust isolation valves and the Containment Pressure-Vacuum Relief isolation valves, should be added for Unit No 1 and the corresponding page in Unit No. 2 specifications 3/4 6-9 should be modified to ensure the Purge and Supply isolation valves are locked shut in Modes 1 thru 4. Additionally, a surveillance requirement for each unit should be added to provide valve seal testing on the above valves to identify possible degradation of the seals due to environmental and/or usage conditions over the life of the seals. Lastly, on Unit No. 1, a revision to TABLE 3.6-1, CONTAINMENT ISOLATION VALVES, should delete an asterisk/footnote which allows administratively controlled opening of LVCl, 2, 3, and 4.

REASON FOR CHANGE

These changes are in response to NRC request to resolve generic concerns of purging and venting containments. Specifically, the changes address items in a November 6, 1981 letter from Mr. Varga of the NRC to Mr. F.W. Schneider, Vice President - Production.

SAFETY EVALUATION

This change request involves no Unreviewed Safety Question. The valves which are locked shut in Modes 1 thru 4 by this change are presently administratively closed in those modes and the increase in surveillance on the valve seals is strictly a conservative measure which enhances the possibility of detecting valve seal problems before they reach a degree of leakage which would impose a limit on plant operation.

BASIS FOR FEE CLASSIFICATION

This change is deemed not to involve a significant hazards consideration and is therefore a class III amendment for Unit No. 1 and a class I amendment for Unit No. 2.

8201290119 820115  
PDR ADDCK 05000272  
PDR

add this page

## CONTAINMENT SYSTEMS

### CONTAINMENT VENTILATION SYSTEM

#### LIMITING CONDITION FOR OPERATION

---

---

3.6.1.7 The containment purge supply and exhaust isolation valves\* shall be closed. (Valves immobilized in shut position with control air to valve operators isolated and tagged out of service).

APPLICABILITY: MODES 1, 2, 3, and 4.

#### ACTION:

With one containment-purge supply and/or exhaust isolation valve open, close the open valve(s) within one hour or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

#### SURVEILLANCE REQUIREMENTS

---

---

4.6.1.7 The containment purge supply and exhaust isolation valves shall be determined closed at least once per 31 days.

\*The containment pressure-vacuum relief isolation valves may be opened on an intermittent basis, under administrative control, as necessary to satisfy the requirement of Specification 3.6.1.4.

## CONTAINMENT SYSTEMS

### SURVEILLANCE REQUIREMENTS (Continued)

4.6.3.1.2 Each isolation valve specified in Table 3.6-1 shall be demonstrated OPERABLE during the COLD SHUTDOWN or REFUELING MODE at least once per 18 months by:

- a. Verifying that on a Phase A containment isolation test signal, each Phase A isolation valve actuates to its isolation position.
- b. Verifying that on a Phase B containment isolation test signal, each Phase B isolation valve actuates to its isolation position.
- c. Verifying that on a feedwater isolation test signal, each feedwater isolation valve actuates to its isolation position.
- d. Verifying that on a Containment Purge and Pressure-Vacuum Relief isolation test signal, each Purge and Pressure-Vacuum Relief valve actuates to its isolation position.

4.6.3.1.3 At least once per 18 month, verify that on a main steam isolation test signal, each main steam isolation valve specified in Table 3.6-1 actuates to its isolation position.

4.6.3.1.4 The isolation time of each power operated or automatic valve of Table 3.6-1 shall be determined to be within its limit when tested pursuant to Specification 4.0.5.

4.6.3.1.5 Each containment purge isolation valve shall be demonstrated OPERABLE within 24 hours after each closing of the valve, except when the valve is being used for multiple cyclings, then at least once per 72 hours, by verifying that when the measured leakage rate is added to the leakage rates determined pursuant to Specification 4.6.1.2d. for all other Type B and C penetrations, the combined leakage rate is less than or equal to  $0.60L_a$ .

4.6.3.1.6 A pressure drop test to identify excessive degradation of resilient valve seals shall be conducted on the:

- add {
- a. Containment Purge Supply and Exhaust Isolation Valves at least once per 6 months.
  - b. Containment Pressure - Vacuum Relief Isolation Valves at least once per 3 months.

SALEM - UNIT 1

3/4 6-16

TABLE 3.6-1 (Continued)

CONTAINMENT ISOLATION VALVES

VALVE NUMBER	FUNCTION	ISOLATION TIME
<b>C. MAIN STEAM ISOLATION</b>		
1. 11 MS 7#	Main Steam Drain	< 10 Sec.
2. 12 MS 7#	Main Steam Drain	< 10 Sec.
3. 13 MS 7#	Main Steam Drain	< 10 Sec.
4. 14 MS 7#	Main Steam Drain	< 10 Sec.
5. 11 MS 18#	Main Steam Bypass	< 10 Sec.
6. 12 MS 18#	Main Steam Bypass	< 10 Sec.
7. 13 MS 18#	Main Steam Bypass	< 10 Sec.
8. 14 MS 18#	Main Steam Bypass	< 10 Sec.
<b>D. FEEDWATER ISOLATION</b>		
1. 11 BF 19#	Main Feedwater Isolation	< 8 Sec.
2. 12 BF 19#	Main Feedwater Isolation	< 8 Sec.
3. 13 BF 19#	Main Feedwater Isolation	< 8 Sec.
4. 14 BF 19#	Main Feedwater Isolation	< 8 Sec.
5. 11 BF 40#	Main Feedwater Isolation	< 8 Sec.
6. 12 BF 40#	Main Feedwater Isolation	< 8 Sec.
7. 13 BF 40#	Main Feedwater Isolation	< 8 Sec.
8. 14 BF 40#	Main Feedwater Isolation	< 8 Sec.
<b>E. CONTAINMENT PURGE AND PRESSURE-VACUUM RELIEF</b>		
<i>delete asterisk for 1VC 1,2,3,4</i>		
1. 1 VC 1#	Purge Supply	< 2 Sec.
2. 1 VC 2#	Purge Supply	< 2 Sec.
3. 1 VC 3#	Purge Exhaust	< 2 Sec.
4. 1 VC 4#	Purge Exhaust	< 2 Sec.
5. 1 VC 5*	Pressure-Vacuum Relief	< 2 Sec.
6. 1 VC 6*#	Pressure-Vacuum Relief	< 2 Sec.

*modify to agree with attached page*

TABLE 3.6-1 (Continued)

CONTAINMENT ISOLATION VALVES

<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>ISOLATION TIME</u>
<b>C. MAIN STEAM ISOLATION</b>		
1. 11 MS 7#	Main Steam Drain	< 10 Sec.
2. 12 MS 7#	Main Steam Drain	< 10 Sec.
3. 13 MS 7#	Main Steam Drain	< 10 Sec.
4. 14 MS 7#	Main Steam Drain	< 10 Sec.
5. 11 MS 18#	Main Steam Bypass	< 10 Sec.
6. 12 MS 18#	Main Steam Bypass	< 10 Sec.
7. 13 MS 18#	Main Steam Bypass	< 10 Sec.
8. 14 MS 18#	Main Steam Bypass	< 10 Sec.
<b>D. FEEDWATER ISOLATION</b>		
1. 11 BF 19#	Main Feedwater Isolation	< 8 Sec.
2. 12 BF 19#	Main Feedwater Isolation	< 8 Sec.
3. 13 BF 19#	Main Feedwater Isolation	< 8 Sec.
4. 14 BF 19#	Main Feedwater Isolation	< 8 Sec.
5. 11 BF 40#	Main Feedwater Isolation	< 8 Sec.
6. 12 BF 40#	Main Feedwater Isolation	< 8 Sec.
7. 13 BF 40#	Main Feedwater Isolation	< 8 Sec.
8. 14 BF 40#	Main Feedwater Isolation	< 8 Sec.
<b>E. CONTAINMENT PURGE AND PRESSURE-VACUUM RELIEF</b>		
1. 1 VC 1	Purge Supply	< 2 Sec.
2. 1 VC 2#	Purge Supply	< 2 Sec.
3. 1 VC 3#	Purge Exhaust	< 2 Sec.
4. 1 VC 4	Purge Exhaust	< 2 Sec.
5. 1 VC 5*	Pressure-Vacuum Relief	< 2 Sec.
6. 1 VC 6#*	Pressure-Vacuum Relief	< 2 Sec.

SALEM - UNIT 1

3/4 6-16

## CONTAINMENT SYSTEMS

### CONTAINMENT VENTILATION SYSTEM

#### LIMITING CONDITION FOR OPERATION

---

---

3.6.1.7 The containment purge supply and exhaust isolation valves\* shall be closed. (Valves immobilized in shut position with control air to valve operators isolated and tagged out of service).

APPLICABILITY: MODES 1, 2, 3, and 4.

#### ACTION:

With one containment-purge supply and/or exhaust isolation valve open, close the open valve(s) within one hour or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

#### SURVEILLANCE REQUIREMENTS

---

---

4.6.1.7 The containment purge supply and exhaust isolation valves shall be determined closed at least once per 31 days.

\*The containment pressure-vacuum relief isolation valves may be opened on an intermittent basis, under administrative control, as necessary to satisfy the requirement of Specification 3.6.1.4.

## CONTAINMENT SYSTEMS

### SURVEILLANCE REQUIREMENTS (Continued)

---

4.6.3.2 Each isolation valve specified in Table 3.6-1 shall be demonstrated OPERABLE during the COLD SHUTDOWN or REFUELING MODE at least once per 18 months by:

- a. Verifying that on a Phase A containment isolation test signal, each Phase A isolation valve actuates to its isolation position.
- b. Verifying that on a Phase B containment isolation test signal, each Phase B isolation valve actuates to its isolation position.
- c. Verifying that on a feedwater isolation test signal, each feedwater isolation valve actuates to its isolation position.
- d. Verifying that on a Containment Purge and Pressure-Vacuum Relief isolation test signal, each Purge and Pressure-Vacuum Relief valve actuates to its isolation position.

4.6.3.3 At least once per 18 month, verify that on a main steam isolation test signal, each main steam isolation valve specified in Table 3.6-1 actuates to its isolation position.

4.6.3.4 The isolation time of each power operated or automatic valve of Table 3.6-1 shall be determined to be within its limit when tested pursuant to Specification 4.0.5.

4.6.3.5 Each containment purge isolation valve shall be demonstrated OPERABLE within 24 hours after each closing of the valve, except when the valve is being used for multiple cyclings, then at least once per 72 hours, by verifying that when the measured leakage rate is added to the leakage rates determined pursuant to Specification 4.6.1.2d. for all other Type B and C penetrations, the combined leakage rate is less than or equal to  $0.60L_a$ .

4.6.3.6 A pressure drop test to identify excessive degradation of resilient valve seals shall be conducted on the :

- add* {
- a. Containment Purge Supply and Exhaust Isolation Valves at least once per 6 months.
  - b. Containment Pressure - Vacuum Relief Isolation Valves at least once per 3 months.