

SOUTH CAROLINA ELECTRIC & GAS COMPANY

POST OFFICE 764

COLUMBIA, SOUTH CAROLINA 29218

O. W. DIXON, JR.
VICE PRESIDENT
NUCLEAR OPERATIONS

April 26, 1984

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Virgil C. Summer Nuclear Station
Docket No. 50/395
Operating License No. NPF-12
Technical Specifications
3/4.6.1 and Table 3.6-1

Dear Mr. Denton:

In a letter dated October 8, 1982, from O. W. Dixon, Jr. to H. R. Denton, South Carolina Electric and Gas Company (SCE&G) requested that Table 3.6-1, "Containment Isolation Valves," be revised to indicate that Type "C" leak rate testing is not required for an additional fourteen (14) containment isolation valves. By letter dated March 30, 1984 from E. G. Adensam to O. W. Dixon, Jr., additional information required to complete the review of this Technical Specification change was requested. As a result of a further evaluation of this proposed Technical Specification change, SCE&G is amending this change request as follows.

Based on the fact that the provisions of Technical Specification 3/4.6.4 do not apply to the manual, remote manual, and check valves listed in Table 3.6-1 and that Type "C" leak rate testing requirements are provided in Technical Specification 4.6.1.2, the listing of these valves in Table 3.6-1 is considered illustrative. In an effort to clarify these technical specifications, it is requested that the MANUAL, REMOTE MANUAL and CHECK valve sections be deleted from this table, the # signs be deleted from the remaining sections of this table, and that the title of this table be changed to "Automatic Containment Isolation Valves." In addition, it is requested that the reference to Table 3.6-1 in Technical Specification 4.6.1.1. be deleted and that the notes (1) and (2) at the bottom of Table 3.6-1 be combined and added to Technical Specification 4.6.1.1. Also, note (3) at the bottom of Table 3.6-1 should be deleted because it is no longer applicable. The above changes are included on the attached Technical Specification pages.

SCE&G has determined that a finding of no significant hazards consideration is appropriate in that Technical Specification requirements are only being rearranged and clarified, not changed.

This change has been reviewed and approved by the Plant Safety Review Committee (PSRC) and the Nuclear Safety Review Committee (NSRC). Because

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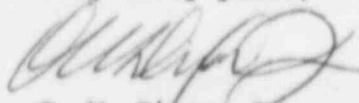
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of the administrative nature of this change, an overpayment in the amount of Twenty-Eight Hundred Dollars (\$2800.00) was made for the previously requested change to Table 3.6-1.

Should you have any questions, please contact us at your convenience.

Very truly yours,



O. W. Dixon, Jr.

AMP/OWD/gj
Attachment:

cc: V. C. Summer	C. A. Price
T. C. Nichols, Jr./O. W. Dixon, Jr.	C. L. Ligon (NSRC)
E. H. Crews, Jr.	K. E. Nodland
E. C. Roberts	R. A. Stough
W. A. Williams, Jr.	G. Percival
D. A. Nauman	C. W. Hehl
J. P. O'Reilly	J. B. Knotts, Jr.
Group Managers	NPCF
O. S. Bradham	File

3/4.6 CONTAINMENT SYSTEMS

3/4.6.1 PRIMARY CONTAINMENT

CONTAINMENT INTEGRITY

LIMITING CONDITION FOR OPERATION

3.6.1.1 Primary CONTAINMENT INTEGRITY shall be maintained.

APPLICABILITY: MODES 1, 2, 3 and 4.

ACTION:

Without primary CONTAINMENT INTEGRITY, restore CONTAINMENT INTEGRITY 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

4.6.1.1 Primary CONTAINMENT INTEGRITY shall be demonstrated:

- a. At least once per 31 days by verifying that all penetrations* not capable of being closed by OPERABLE containment automatic isolation valves and required to be closed during accident conditions are closed by valves, blind flanges, or deactivated automatic valves secured in their positions;*~~except as provided in Table 3.6.1 of Specification 3.6.4.~~
- b. By verifying that each containment air lock is in compliance with the requirements of Specification 3.6.1.3.
- c. After each closing of each penetration subject to Type B testing, except the containment air locks, if opened following a Type A or B test, by leak rate testing the seal with gas at P_a (47.1 psig) and verifying that when the measured leakage rate for^a these seals is added to the leakage rates determined pursuant to Specification 4.6.1.2.d for all other Type B and C penetrations, the combined leakage rate is less than 0.60 L_a.

*Except valves, blind flanges, and deactivated automatic valves which are located inside the containment and are locked, sealed or otherwise secured in the closed position. These penetrations shall be verified closed during each COLD SHUTDOWN except that such verification need not be performed more often than once per 92 days.

**Manual and remote manual valves may be opened on an intermittent basis under administrative control.

TABLE 3.6-1

AUTOMATIC CONTAINMENT ISOLATION VALVES

VALVE NUMBER		FUNCTION	MAXIMUM ISOLATION TIME (SEC)
A. PHASE "A" ISOLATION			
1.	7501-AC	CRDM Coolant Water Inlet Line	40
2.	7502-AC	CRDM Coolant Water Inlet Line	40
3.	7503-AC	CRDM Coolant Water Outlet Line	40
4.	7504-AC	CRDM Coolant Water Outlet Line	40
5.	503A-BD #	Steam Generator A Blowdown Line	40
6.	503B-BD #	Steam Generator B Blowdown Line	40
7.	503C-BD #	Steam Generator C Blowdown Line	40
8.	8100-CS	Reactor Coolant Pump Seal Water Return	40
9.	8112-CS	Reactor Coolant Pump Seal Water Return	40
10.	8149A-CS	Reactor Coolant To Letdown Heat Exchanger	40
11.	8149B-CS	Reactor Coolant To Letdown Heat Exchanger	40
12.	8149C-CS	Reactor Coolant To Letdown Heat Exchanger	40
13.	8152-CS	Reactor Coolant To Letdown Heat Exchanger	40
14.	6797-FS	Fire Service Deluge To Charcoal Filters	40
15.	6050A-HR	Normal Reactor Building Pressure Line	40
16.	6054-HR	Normal Reactor Building Pressure Line	40
17.	2660-IA	Reactor Building Instrument Air Inlet Line	40
18.	2662A-IA	Reactor Building Instrument Air Suction Line	40
19.	2662B-IA	Reactor Building Instrument Air Suction Line	40
20.	6242A-ND	Reactor Building Sump Drain	40
21.	6242B-ND	Reactor Building Sump Drain	40
22.	8028-RC	Pressurizer Relief Tank Makeup Water Line	40
23.	8033-RC	Pressurizer Relief Tank N ₂ Supply-Return Line	40
24.	8047-RC	Pressurizer Relief Tank N ₂ Supply-Return Line	40
25.	8860-SI	Full Line To Accumulators	40
26.	8880-SI	Accumulator Nitrogen Supply	40
27.	8871-SI	Accumulator Test Line	40
28.	8961-SI	Accumulator Test Line	40
29.	9311A-SS	Sampling Line Supply To Radiation Monitor	40
30.	9311B-SS	Sampling Line Supply To Radiation Monitor	40

TABLE 3.6-1 (Continued)

AUTOMATIC CONTAINMENT ISOLATION VALVES

VALVE NUMBER		FUNCTION	MAXIMUM ISOLATION TIME (SEC)
A. PHASE "A"	ISOLATION (Continued)		
31.	9312A-SS	Sampling Line Supply Return From Radiation Monitor	40
32.	9312B-SS	Sampling Line Return Return From Radiation Monitor	40
33.	9339-SS	Sample Return Line To PRI	40
34.	9341-SS	Sample Return Line To PRI	40
35.	9356A-SS	Sampling Line From Pressurizer	40
36.	9356B-SS	Sampling Line From Pressurizer	40
37.	9357-SS	Sampling Line From Pressurizer	40
38.	9364B-SS	Sampling Lines From Reactor Coolant Loop B	40
39.	9365B-SS	Sampling Lines From Reactor Coolant Loop B	40
40.	9364C-SS	Sampling Lines From Reactor Coolant Loop C	40
41.	9365C-SS	Sampling Lines From Reactor Coolant Loop C	40
42.	9387-SS	Sampling Line From Accumulators	40
43.	9398A-SS # (3)	Sampling Line From Steam Generator A Blowdown	40
44.	9398B-SS # (3)	Sampling Line From Steam Generator B Blowdown	40
45.	9398C-SS # (3)	Sampling Line From Steam Generator C Blowdown	40
46.	7126-WL	Reactor Coolant Drain Tank Vent Header	40
47.	7150-WL	Reactor Coolant Drain Tank Vent Header	40
48.	1003-WL	Reactor Coolant Drain Tank Discharge To Waste	40
49.	7136-WL	Reactor Coolant Drain Tank Discharge To Waste	40
50.	1678A-FW #	Steam Generator A Reverse Flush	40
51.	1678B-FW #	Steam Generator B Reverse Flush	40
52.	1678C-FW #	Steam Generator C Reverse Flush	40
B. PHASE "B" ISOLATION			
1.	9568-CC	Component Cooling To R. C. Pumps Bearings	60
2.	9600-CC	Component Cooling To R. C. Pumps	60
3.	9605-C	Component Cooling From R. C. Pumps Bearings	60
4.	9606-CC	Component Cooling From R. C. Pumps Bearings	60
5.	1633A-FW #	Chemical Feed Line To Feedwater Loop A	60
6.	1633B-FW #	Chemical Feed Line To Feedwater Loop B	60
7.	1633C-FW #	Chemical Feed Line To Feedwater Loop C	60

TABLE 3.6-1 (Continued)

AUTOMATIC CONTAINMENT ISOLATION VALVES

VALVE NUMBER	FUNCTION	MAXIMUM ISOLATION TIME (SEC)
<u>C. REACTOR BUILDING PURGE SUPPLY AND EXHAUST ISOLATION</u>		
1. 0001A-AH	Reactor Building Purge Supply	5
2. 0001B-AH	Reactor Building Purge Supply	5
3. 0002A-AH	Reactor Building Purge Exhaust	5
4. 0002B-AH	Reactor Building Purge Exhaust	5
5. 6056-IIR	Alternate Reactor Building Purge Supply Line	5
6. 6057-IIR	Alternate Reactor Building Purge Supply Line	5
7. 6066-IIR	Alternate Reactor Building Purge Exhaust Line	5
8. 6067-IIR	Alternate Reactor Building Purge Exhaust Line	5
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<u>D. MANUAL (1)</u>		
1. 8767-DN	Demineralized Water Line	N/A
2. 8768-DN	Demineralized Water Line	N/A
3. 6772-FS	Fire Service Hose Reel Supply	N/A
4. 6773-FS	Fire Service Hose Reel Supply	N/A
5. 2679-IA	Breathing Air Supply Line	N/A
6. 2680-IA	Breathing Air Supply Line	N/A
7. 6587-NG	Hydrogen Supply To Steam Generators	N/A
8. 8090A-RC	Dead Weight Tester	N/A
9. 8090B-RC	Dead Weight Tester	N/A
10. 2912-SA	Reactor Building Service Air	N/A
11. 6671-SF	Refueling Cavity Drain Line	N/A
12. 6672-SF	Refueling Cavity Drain Line	N/A
13. 6697-SF	Refueling Cavity Fill Line	N/A
14. 6698-SF	Refueling Cavity Fill Line	N/A
15. 7135-WL	Reactor Coolant Drain Tank Discharge To Waste	N/A
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<u>E. REMOTE MANUAL (2)</u>		
1. 9602-CC	Component Cooling To R. C. Pumps	N/A
2. 8102A-CS	Seal Injection To Reactor Coolant Pump A	N/A
3. 8102B-CS	Seal Injection To Reactor Coolant Pump B	N/A
4. 8102C-CS	Seal Injection To Reactor Coolant Pump C	N/A

TABLE 3.6-1 (Continued)
CONTAINMENT ISOLATION VALVES

<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>MAXIMUM ISOLATION TIME (SEC)</u>
<u>E. REMOTE MANUAL (Continued)</u>		
5. 8107-CS	Charging Line To Regenerative Heat Exchange	N/A
6. 6050B-HR	Hydrogen Analyzer Return Line	N/A
7. 6051A-HR	Hydrogen Analyzer Supply Line	N/A
8. 6051B-HR	Hydrogen Analyzer Supply Line	N/A
9. 6051C-HR	Hydrogen Analyzer Supply Line	N/A
10. 6052A-HR	Hydrogen Analyzer Return Line	N/A
11. 6052B-HR	Hydrogen Analyzer Return Line	N/A
12. 6053A-HR	Hydrogen Analyzer Supply Line	N/A
13. 6053B-HR	Hydrogen Analyzer Supply Line	N/A
14. 8701A-RH	RHR Pump Suction From Reactor Coolant Loop A	N/A
15. 8701B-RH	RHR Pump Suction From Reactor Coolant Loop C	N/A
16. 8801A-SI	Boran Injection Tank To Reactor Coolant Loops	N/A
17. 8801B-SI	Boran Injection Tank To Reactor Coolant Loops	N/A
18. 8811A-SI	RHR Pump A Suction From Recirculation Sump	N/A
19. 8811B-SI	RHR Pump B Suction From Recirculation Sump	N/A
20. 8884-SI	High Head Safety Injection To Reactor Coolant Loops	N/A
21. 8885-SI	High Head Safety Injection To Reactor Coolant Loops	N/A
22. 8886-SI	High Head Safety Injection To Reactor Coolant Loops	N/A
23. 8888A-SI	Low Head Safety Injection To Reactor Coolant Loops	N/A
24. 8888B-SI	Low Head Safety Injection To Reactor Coolant Loops	N/A
25. 8889-SI	Low Head Safety Injection To Reactor Coolant Loops	N/A
26. 3003A-SP	Supply To Reactor Building Spray Nozzles	N/A
27. 3003B-SP	Supply To Reactor Building Spray Nozzles	N/A
28. 3004A-SP	Spray Pump A Suction From Recirculation Sump	N/A
29. 3004B-SP	Spray Pump B Suction From Recirculation Sump	N/A
30. 3103A-SW	Service Water From Reactor Building Cooling Unit A	N/A
31. 3103B-SW	Service Water From Reactor Building Cooling Unit B	N/A
32. 3106A-SW	Service Water To Reactor Building Cooling Unit A	N/A
33. 3106B-SW	Service Water To Reactor Building Cooling Unit B	N/A
34. 3110A-SW	Service Water To Reactor Building Cooling Unit A	N/A
35. 3110B-SW	Service Water To Reactor Building Cooling Unit B	N/A

TABLE 3.6-1 (Continued)
CONTAINMENT ISOLATION VALVES

VALVE NUMBER	FUNCTION	MAXIMUM ISOLATION TIME (SEC)
F. CHECK		
1. 7541-AC	CRDM Coolant Water Inlet Line	N/A
2. 7544-AC	CRDM Coolant Water Outlet Line	N/A
3. 9570-CC	Component Cooling To R. C. Pump Bearings	N/A
4. 9689-CC	Component Cooling From R. C. Pump Bearings	N/A
5. 8103-CS	Reactor Coolant Pump Seal Water Return	N/A
6. 8368A-CS	Seal Injection To R. C. Pump A	N/A
7. 8368B-CS	Seal Injection To R. C. Pump B	N/A
8. 8368C-CS	Seal Injection To R. C. Pump C	N/A
9. 8381-CS	Charging Line To Regenerative Heat Exchanger	N/A
10. 6799-FS	Fire Service Deluge To Charcoal Filters	N/A
11. 2661-IA	Instrument Air Supply To Reactor Building	N/A
12. 6588-NG	Nitrogen Supply To Steam Generators	N/A
13. 8046-RC	Pressurizer Relief Tank Makeup Water Line	N/A
14. 2913-SA	Service Air Supply To Reactor Building	N/A
15. 3009A-SP	Supply To Reactor Building Spray Nozzles	N/A
16. 3009B-SP	Supply To Reactor Building Spray Nozzles	N/A
17. 8947-SI	Accumulator Nitrogen Supply	N/A
18. 8861-SI	Fill Line To Accumulators	N/A

~~# Valve not subject to Type "C" leakage test.~~

~~(1) Manual valves may be opened on an intermittent basis under administrative control.~~

~~(2) Remote manual valve positions are maintained by administrative control.~~

~~(3) The provisions of Specification 1.0.4 are not applicable from December 28, 1982, until July 1, 1983.~~