

Initial leakage was found to be .39 cfh. The established limit is 0.1 scfh. ACAD-1311 Limitorque motor operator was adjusted. After adjustment the leakage was reduced to .08 scfh. The leaking valves are Anchor 1" gate valves with Limitorque motor operators.

X-14

RWCU, Inlet to RWCU System. RWCU-MO-15 (supply inboard isolation) and RWCU-MO-18 (supply outboard isolation).

Initial leakage was found to be 39.67 cfh. The established limit is 2.0 scfh. RWCU-MO-15 and RWCU-MO-18 were disassembled and gates removed and lapped, seals cleaned and reassembled. After reassembly, the leakage check was 39.6 scfh. The leakage was determined to be from RWCU-MO-15. Even though the leakage was above the established limit, further repair was not initiated because of the safety margin in the established limits. Primary containment would be maintained by the outboard isolation valve. RWCU-MO-15 and MO-18 are Anchor 6" gate valves.

X-13A

RHR Loop "A" Supply to RPV. RHR-MO-25A (loop "A" inboard injection block) and RHR-MO-27A (loop "A" outboard injection block).

Initial leakage was found to be 34.12 cfh. The established limit is 10 scfh. RHR-MO-25A was disassembled and the seats were lapped, seal rings replaced and reassembled. After repair of RHR-MO-25A, the leakage was 0 scfh. RHR-MO-25A is an Anchor 24" gate valve.

X-8

Main Steam Line Drain. MS-MO-74 (inboard isolation valve) and MS-MO-77 (outboard isolation valve).

Initial leakage was found to be 18.28 cfh. The established limit is 1.5 scfh. MS-MO-74 was disassembled, the disc removed and lapped, the seats were cleaned, and valve reassembled. After repair, the leakage was .23 scfh. MS-MO-74 is an Anchor 3" gate valve.

X-205

ACAD Purge Supply Line to the Suppression Chamber. ACAD-1303MV (outboard isolation valve) and ACAD-1304MV (inboard isolation valve).

The initial leakage was too rapid to determine an initial leak rate. The established limit is .1 scfh. The gate was removed and lapped, the seats were cleaned, and the valve reassembled. Retest indicated ACAD-1303MV was not shutting tightly. A new Limitorque was installed on the valve. After replacement of the Limitorque, the leak rate was reduced to .007 scfh. ACAD-1304MV was not repaired or adjusted. Therefore, primary containment would have been maintained by the inboard isolation valve ACAD-1304MV. The leaking valve is an Anchor 1" gate valve with a Limitorque operator.

A-212

RCIC Turbine Exhaust to the Suppression Chamber, RCIC-15CV and RCIC 37.

Initial leakage was found to be 9.3 cfh. The established limit is 1.0 scfh. RCIC-37 was disassembled for repair and indicated rough seating surfaces. The seats were lapped and the disc cleaned and valve reassembled. After repair to RCIC-37, the leakage rate was 2.3 scfh. Even though the leakage was above established limit, further repair was not initiated because of the safety margin in the established limits. RCIC-37 is an 8" Anchor globe valve.

X-210B and X-211B

RHR to Suppression Pool. RHR-MO-34B (suppression pool cooling inboard) RHR-MO-38B (suppression pool inboard spray) and RHR-MO-29B (suppression pool cooling and spray outboard block valve).

Initial leakage was found to be 210 cfh. The established limit is 8.0 scfh. RHR-MO39B was disassembled, the seats and gate were lapped, and a new bonnet gasket installed. The valve was reassembled and tested. After repair of RHR-MO-39B, the leakage was 1.68 cfh. RHR-MV-34B and RHR-MO-38B were not repaired or adjusted. RHR-MO-39B is an Anchor 18" gate valve.

X-220

Primary Containment Purge and Vent Exhaust From Suppression Chamber. PC-MO-230 (inboard isolation valve) PC-AO-245 (outboard isolation valve). PC-57MV (inboard isolation bypass) and ACAD-1308MV (ACAD torus vent).

The initial leakage was too high to determine an initial leak rate. The established limit is 5.0 scfh. PC-AO-245 was disassembled and the rubber seating ring replaced. After repair, the leakage was 2.8 scfh. PC-230MV and PC-57MV were not repaired or adjusted. Therefore, primary containment would have been maintained by the inboard isolation valves. PC-245AV is a 24" Allis-Chalmers butterfly valve.

X-221

RCIC Vacuum Pump Discharge to Suppression Chamber

The test volume for this penetration is between RCIC-12CV and manual valve RCIC-42. Initial leakage was found to be 2.23 cfh. The established limit is .1 scfh. RCIC-12CV was disassembled and was found to have a dirty seat causing improper seating. The seat was cleaned and valve reassembled. After reassembly and retest, the leakage was .09 scfh. RCIC-12CV is an Anchor 2", 600# check valve.

Mr. K. V. Seyfrit, Director  
June 30, 1981  
Page 4.

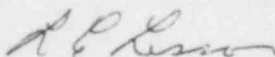
X-223B

Core Spray Pump "B" Minimum Flow Recirc Isolation.

The test volume for this penetration is between CS-MOV-M05B and CS-V-25. Initial leaking tests showed a leak rate of 7.86 cfh. The established limit is 1.0 scfh. CS-MO-5B and CS-V-25 were both disassembled. New seat rings were installed in CS-MOV-5B and the gate was lapped followed by blue check of seats. The stem and seats of CS-V-25 were cleaned and reassembled with new gasket. After repair to the two valves, the retest leakage was .13 scfh. CS-MOV-M05B is an Anchor 3" gate valve and CS-V-25 is an Anchor 3" globe valve.

Per Section 4.7.A.2.f of the Technical Specifications, all valves were tested at  $\geq 58$  psig with the exception of the MSIV's. Pressure decay or water collection was used to determine the leakage. The total as-found leakage was approximately 505.8 cfm. Of this, the uncontained leakage was determined to be less than 132.8 scfh. This leak rate does not exceed the equivalent of .6 La (189 scfh) of the primary containment volume per 24 hours at 58 psig as addressed in Technical Specification Section 4.7.A.2.a, Page 160. After repair of the leaking valves, the leak rate was reduced to less than 136.5 scfh.

Sincerely,



L. C. Lessor  
Station Superintendent  
Cooper Nuclear Station

LCL:cg

## (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

0	1
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REPORT SOURCE

L	6	0	5	0	0	0	2	9	8	7	0	5	3	1	8	1	8	0	6	3	0	8	1	9
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DOCKET NUMBER

EVENT DATE

REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | While performing local leak rate test procedure 6.3.1.1, twelve penetrations were  
0 3 | found leaking excessively. Technical Specifications Section 3.7.4 requires the  
0 4 | primary containment leakage to be less than 189 scfh (.6 La). The uncontained  
0 5 | leakage was less than 132.8 scfh. UE 75-22 and LER's 77-57, 79-9 and 80-12  
0 6 | describe previous events of this nature. There was no significant occurrence as  
0 7 | a result of this event. There were no adverse effects to public health and  
0 8 | safety.

SYSTEM CODE [ 0 ] [ 9 ] 7 8		CAUSE CODE [ S ] [ D ] (11) 9 10		CAUSE SUBCODE [ E ] (12) 11		COMPONENT CODE [ X ] (13) [ V ] [ A ] [ L ] [ V ] [ E ] [ X ] (14) 12 13 18				COMP. SUBCODE [ X ] (15) 19		VALVE SUBCODE [ D ] (16) 20	
(17) LER/RO REPORT NUMBER [ 8 ] [ 1 ] 21 22		EVENT YEAR [ 8 ] [ 1 ] 21 22		SEQUENTIAL REPORT NO. [ 0 ] [ 1 ] [ 5 ] 24 26		OCCURRENCE CODE [ / ] 27		REPORT TYPE [ 0 ] [ 3 ] 28 29		REVISION NO. [ 0 ] 32			
ACTION TAKEN [ B ] (18) [ Z ] (19) 33 34		FUTURE ACTION [ Z ] (19) 34		EFFECT ON PLANT [ Z ] (20) 35		SHUTDOWN METHOD [ Z ] (21) 36		HOURS [ 0 ] [ 0 ] [ 0 ] [ 0 ] (22) 37 40		ATTACHMENT SUBMITTED [ N ] (23) 41		NPRD-4 FORM SUB. [ ] (24) 42	
		PRIME COMP. SUPPLIER [ L ] (25) 43		COMPONENT MANUFACTURER [ Z ] [ 9 ] [ 9 ] [ 9 ] (26) 44 47									

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Ten leaks were caused by normal valve wear, two by improper Limitorque operation.

1 1 Valve repairs were performed on one 24" AC butterfly, one 24" Anchor gate, one 18"

1 2 Anchor gate, one 6" Anchor gate, two 3" Anchor gates, one 1" Anchor gate, one 8"

1 3 Anchor globe, one 3" Anchor globe and one 2" Anchor check valve. One Limitorque

1 4 operator was replaced; one was adjusted. Final leakage was less than 136.5 scfh.

FACILITY STATUS      % POWER      OTHER STATUS      METHOD OF DISCOVERY      DISCOVERY DESCRIPTION

1 5 H 28      0 0 0 29      NA      31      Local Leak Rate Testing      32

ACTIVITY CONTENT  
RELEASED OF RELEASE

1 6 7 33 34

AMOUNT OF ACTIVITY (35)

NA

LOCATION OF RELEASE (36)

NA

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7	0	0	0	(37)	Z	(38)	NA	(39)

PERSONNEL INJURIES		DESCRIPTION	
NUMBER			
01	01	01	NA

8		9		11		12		80	
				LOSS OF OR DAMAGE TO FACILITY		(43)			
		TYPE		DESCRIPTION					
1	9	Z	(42)	NA					

2	0	PUBLIC /										80
ISSUED		DESCRIPTION										NRC USE ONLY
N	44	NA										

NAME OF PREPARER Dennis K. Marker

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