

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

1	T	N	S	N	P	1	2	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	1	4			5
8	9	LICENSES CODE					14	LICENSE NUMBER										25	LICENSE TYPE					30	57 CAT NO.			

REPORT SOURCE L 6 0 5 0 0 0 3 2 7 7 0 8 2 0 8 1 0 0 9 0 2 8 1 9
60 61 DOCKET NUMBER 76 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2] During a special investigation, it was discovered that under certain operating modes the
0 3] essential raw cooling water (ERCW) system would not provide the proper flow requirements,
0 4] under the worst case conditions, to the following safety-related equipment: D/G's,
0 5] Cont. spray Hx's, ECTS room cooler, Cent. charging pump room and oil coolers, S. I. pump
1 6] room and oil coolers, Cont. Spray and RHR room coolers, and Electrical Board Room and
2 7] Main Control room air conditioning condensers. There was no effect on public health or
3 8] safety. Previous occurrences - none.

SYSTEM CODE 19 W E 11		CAUSE CODE 11 B 12		CAUSE SUBCODE 12 A 13		COMP. SUBCODE 14 Z 15		VALVE SUBCODE 16 Z 17	
EVENT YEAR 21 8 22 1		SEQUENTIAL REPORT NO. 23 — 24 1 25 0 26 1		OCCURRENCE CODE 27 / 28 0 29 1		REPORT TYPE 30 T 31 —		REVISION NO. 32 C	
ACTION TAKEN 33 E 34 18 35 19		EFFECT ON PLANT 36 Z 37 20		SHUTDOWN METHOD 38 Z 39 21		HOURS 40 0 41 0 42 0 43 0 44 0 45 0 46 0 47 0		ATTACHMENT SUBMITTED 48 Y 49 2	
FUTURE ACTION 50 1 51 19		PRIME COMP. SUPPLIER 52 Z 53 25		COMP. MANUFACTURER 54 Z 55 9 56 9 57 9		CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 58 27			

0 Modifications have been made to ensure that the safety-related equipment involved will
1 receive the necessary flow requirements. Also, the Emergency Operating Instructions
2 have been revised to reflect proper valve positions for various combinations of unit 1
3 and 2 operating modes.

FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	
5	28	1	0	0	29	NA	C	31	Special inspection
ACTIVITY CONTENT RELEASED		AMOUNT OF ACTIVITY		LOCATION OF RELEASE					
6	Z	3	Z	34	NA	NA			
PERSONNEL EXPOSURES		TYPE		DESCRIPTION					
7	0	0	0	37	Z	38	NA		
PERSONNEL INJURIES		NUMBER		DESCRIPTION					
8	0	0	0	41	NA				
LOSS OF OR DAMAGE TO FACILITY		TYPE		DESCRIPTION					
9	Z	42	NA						
PUBLICITY		ISSUED		DESCRIPTION					
0	N	44	NA						

3109100014
 FOR ADDX 8
 810902
 05000327
 FOR

NRC USE ONLY

of Preparer: M. R. Harding/W. D. Romine

Phone: (615) 842-8317

LEA SUPPLEMENTAL INFORMATION

SQRO-50-327/81101

Technical Specification Involved: 6.9.1.12.1

Reported Under Technical Specification: 6.9.1.12.1

Date of Occurrence: 08/20/81

Time of Occurrence: 1205 CDT

Identification and Description of Occurrence

During a special investigation, it was discovered that certain manual operator actions are required following an accident to realign the ERCW system for long-term cooling. The present design on the ERCW component cooling system heat exchanger "C" discharge valve, 0-FCV-67-152, allows it to go 100% open upon receiving an SI signal. Flow requirements for the ERCW system demand that this valve go only 35% open. Also the flow requirements for the component cooling system heat exchanger "A" and "B", 1-FCV-67-146 and 2-FCV-67-146 respectively, which depend on various combinations of unit 1 and 2 operating modes, were not addressed in the plant Emergency Operating Instructions. In the worst case, it is possible the following safety related equipment would have received less ERCW flow than assumed in the analysis of the system:

- (1) Diesel Generator
- (2) Containment Spr. Hx's
- (3) Emergency Gas Treatment System Room Cooler
- (4) Centrifugal Charging Pump Room and Oil Coolers
- (5) Safety Injection Pump Room and Oil Coolers
- (6) Containment Spray and RHR Room Coolers
- (7) Electrical Board Room and Main Control Room Air Conditioning Condensers

Conditions Prior To Occurrence

Unit 1 in mode 1 at 100% RTP

Apparent Cause of Occurrence

Design Deficiency

Corrective Action

Modifications have been made to 0-FCV-67-152 so the valve will go only 35% open upon receiving an SI signal. Also the Emergency Operating Instructions have been revised to reflect the valve positions for 1-FCV-67-146 and 2-FCV-67-146. The modification on 0-FCV-67-152 was made prior to unit 1 entry into mode 3.

Failure Data

N/A