NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: | | | | | | | (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | LICENSEE CODE: C T H N P 1 (2) | LICENSE NUMBER: 0 0 - 0 0 0 0 0 - 0 0 (3) | LICENSE TYPE: 4 1 1 1 1 (4) | CAT: (5)

CON'T 01 | REPORT SOURCE: L (6) | DOCKET NUMBER: 0 5 0 - 0 2 1 3 (7) | EVENT DATE: 0 7 1 7 8 0 (8) | REPORT DATE: 0 8 1 1 8 0 (9)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 While performing pre-critical checks on a plant startup after the 1980 refueling
03 outage and while attempting to determine the cause for irregular seal water supply
04 flows, the #2 RCP seal water supply bypass valve stem bushing was broken allowing the
05 valve to go to its full open position. The #2 reactor coolant loop had previously
06 been isolated because of a damaged #2 RCP seal. The increase in seal supply caused
07 the allowable contained leakage rate of 10 gpm per Tech. Spec. Appendix "A" Section
08 3.14 to be exceeded. Contained leakage was calculated to be CONTINUED ON ATTACHED

09	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
	C J (11)	E (12)	B (13)	V A L V E X (14)	F (15)	Q (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	8 0	—	0 1 2	/	0 3	L	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
C (18)	Z (19)	C (20)	Z (21)	0 0 0 0	Y (23)	Y (24)	L (25)	B 3 4 4 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 During the 1980 refueling outage all four RCP seal water supply bypass valves were
11 replaced. The new valves were manufactured by Rockwell International; manual 3/4"
12 globe, model #15104-T, F-316 Stainless Steel, Class 1500 lb. The failure of the
13 valve was two fold; 1.) The closing torque applied was too high which caused the
14 stem bushing to fail, and 2.) possibly mis-application of CONTINUED ON ATTACHED

15 | FACILITY STATUS: C (28) | % POWER: 0 0 0 (29) | OTHER STATUS (30): N/A | METHOD OF DISCOVERY: A (31) | DISCOVERY DESCRIPTION (32): Operator observation

16 | ACTIVITY RELEASED: Z (33) | CONTENT OF RELEASE: Z (34) | AMOUNT OF ACTIVITY (35): N/A | LOCATION OF RELEASE (36): N/A

PERSONNEL EXPOSURES
17 | NUMBER: 0 0 0 (37) | TYPE: Z (38) | DESCRIPTION (39): N/A

PERSONNEL INJURIES
18 | NUMBER: 0 0 0 (40) | DESCRIPTION (41): N/A

LOSS OF OR DAMAGE TO FACILITY (43)
19 | TYPE: Z (42) | DESCRIPTION: N/A

PUBLICITY
20 | ISSUED: Y (44) | DESCRIPTION (45): Associated and United Press on 7/17/80 | NRC USE ONLY

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ATTACHMENT

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES CONTINUED

approximately 13 gpm. The valve stemwas clamped closed to allow shutting off this high seal water supply and the remaining three RCP seal water supplies were adjusted to normal. There were no effects upon public health or safety because of this event.

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS CONTINUED

this valve because of the high ΔP and low throttling. Following this incident the plant was cooled down and all four of these hermetically sealed valves were replaced with the original style (Rockwell Fig. 3624-T, F-316, Class 1500 lb., 3/4") valve.

Rockwell International will perform detailed investigations into the cause of the failure. A follow-up report will be made upon receipt of further information from the valve vendor.