UPDATE REPORT - PREVIOUS REPORT DATED FEBRUARY 5, 1980

NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

[0 1] FILS LS 1 (2) 0 0 - 0 0 0 0 - 0 0 (3) 4 1 1 1 1 (4) (5)
LICENSEE CODE | LICENSE NUMBER | LICENSE TYPE | CAT

CONT [0 1] REPORT SOURCE L (6) 0 5 0 0 0 3 3 5 (7) 0 1 0 6 8 0 (8) 0 7 1 2 1 4 8 0 (9)
DOCKET NUMBER | EVENT DATE | REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENSES (10)

[0 2] DURING NORMAL OPERATIONS, CEA 30 REED SWITCH POSITION INDICATION CHANNEL J
[0 3] FAILED. THE CHANNEL WAS DECLARED INOPERABLE. IN ACCORDANCE WITH TS 3.1.
[0 4] 3.3 CEA 30 WAS WITHDRAWN TO THE "FULL OUT" LIMIT AND VERIFIED AT LEAST ONCE
[0 5] PER 12 HOURS AT THIS POSITION. THE CHANNEL WAS REPAIRED AND RETURNED TO
[0 6] SERVICE. THIS CHANNEL FAILED AGAIN 8 DAYS AFTER RETURNING TO SERVICE.
[0 7] ACTION PER TS 3.1.3.3 WAS REINSTATED UNTIL THE CHANNEL'S FINAL REPAIR DURING
[0 8] THE MARCH REFUELING. THIS IS THE FIRST EVENT OF THIS TYPE.

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
[0 9]	R B (11)	X (12)	X (13)	J N S T R U (14)	S (15)	Z (16)

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

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
X (18)	Z (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	N (25)	C 4 9 0 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

[1 0] THE CAUSE OF THESE CHANNEL FAILURES IS NOT KNOWN. THE CHANNEL WAS INITIALLY
[1 1] REPAIRED BY REPLACING A SHORTED POWER CABLE WITH A SPARE CABLE. DURING THE
[1 2] REFUELING ALL CABLES AND CONNECTORS WERE CHECKED AND A NEW REED SWITCH
[1 3] MODULE WAS INSTALLED; HOWEVER NO SPECIFIC PROBLEM WAS EVER FOUND. THE
[1 4] CHANNEL HAS OPERATED SATISFACTORILY SINCE POST-REFUELING START-UP.

FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
[1 5] E (28)	1 0 0 (29)	NA	A (31)	OPERATOR OBSERVATION

ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
[1 6] Z (33)	Z (34)	NA	NA

PERSONNEL EXPOSURES

NUMBER	TYPE	DESCRIPTION (39)
[1 7] 0 0 0 (37)	Z (38)	NA

PERSONNEL INJURIES

NUMBER	DESCRIPTION (41)
[1 8] 0 0 0 (40)	NA

LOSS OF OR DAMAGE TO FACILITY

TYPE	DESCRIPTION (43)
[1 9] Z (42)	NA

PUBLICITY

ISSUED	DESCRIPTION (45)	NRC USE ONLY
[2 0] N (44)	NA	

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ADDITIONAL EVENT DESCRIPTION AND PROBABLE CONSEQUENCES

During normal 100% power operation, CEA #30 reed switch position indication channel failed. The channel was declared inoperable. In accordance with Technical Specification 3.1.3.3, CEA #30 was withdrawn to the upper electrical limit position ("full out"), and was verified at this position at least once per 12 hours as power operation continued. Eleven days later, following an unrelated plant trip, investigation of the cause for the channel failure seemed to indicate a shorted power cable in the vicinity of the reactor vessel head. This cable was replaced with a spare cable, but the failed channel remained inoperable. A second spare cable was installed and the channel became operable. The channel was successfully tested for satisfactory operation and declard operable. The plant was started up and returned to 100% power operation.

Eight days after returning this channel to operable status, it failed again. Action per Tech. Spec. 3.1.3.3 was reinstated until plant shutdown for the March 15, 1980 refueling. During the refueling, all CEA #30 cables and connectors were visually inspected, continuity checked, and meggered. In addition the channel reed switch probe was replaced. No specific problem was ever found, however the channel was successfully tested for satisfactory operation and no further problems have been noted since the plant returned to power operation.

All CEA's were fully trippable during the above events.