NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

EXHIBIT A

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

01 | F L C R P 3 (2) | 0 0 - 0 0 0 0 0 - 0 0 (3) | 4 1 1 1 1 (4) | - - (5)
LICENSEE CODE | LICENSE NUMBER | LICENSE TYPE | CAT

CON'T 01 | REPORT SOURCE L (6) | 0 5 0 - 0 3 0 2 (7) DOCKET NUMBER | 0 7 1 4 8 0 (8) EVENT DATE | 0 8 0 6 8 0 (9) REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 At 0030 while performing SP-710, RC Decay Heat Removal and RC Makeup Systems'
03 Chemistry Surveillance Program, it was discovered that the Reactor Coolant
04 System chloride and fluoride concentrations were .18 ppm and .25 ppm respectively.
05 This created an event contrary to Technical Specification 3.4.7. There was no
06 hazard created for the plant or general public. This is the fifth occurrence
07 of this type reported.
08

09	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
	C G (11)	X (12)	Z (13)	Z Z Z Z Z Z (14)	Z (15)	Z (16)

(17) LER/RO REPORT NUMBER

EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
8 0	-	0 2 6	/	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
Z (18)	X (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	Z (25)	Z 9 9 9

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The apparent cause of this event is attributed to a chloride and fluoride migra-
11 tion from the inservice demineralizer due to increasing temperature of the Decay
12 Heat System. Reactor Coolant System was cleaned up via Makeup & Purification.
13 OP-404, Decay Heat Removal System, has been revised to limit Decay Heat System
14 temperature to prevent recurrence of this type event.

15	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
	G (28)	0 0 0 (29)	NA	B (31)	Chemistry surveillance

16	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
	Z (33)	Z (34)	NA	NA

PERSONNEL EXPOSURES

17	NUMBER	TYPE	DESCRIPTION (39)
	0 0 0 (37)	Z (38)	NA

PERSONNEL INJURIES

18	NUMBER	DESCRIPTION (41)
	0 0 0 (40)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

19	TYPE	DESCRIPTION
	Z (42)	NA

PUBLICITY

20	ISSUED	DESCRIPTION (45)	NRC USE ONLY
	N (44)	NA	

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(SEE ATTACHED SUPPLEMENTARY INFORMATION SHEET)

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SUPPLEMENTARY INFORMATION

Report No: 50-302/80-026/03L-0

Facility: Crystal River Unit #3

Report Date: 1 August 1980

Occurrence Date: 14 July 1980

Identification of Occurrence:

Reactor Coolant system chloride and fluoride concentrations exceeded the limits of Technical Specification 3.4.7.

Conditions Prior to Occurrence:

Mode 5 cold shutdown.

Description of Occurrence:

During a period extending from 0030 on 14 July to 1245 on 15 July, the chloride and fluoride concentration in the Reactor Coolant System, exceeded the Technical Specification limit on three (3) occasions. The longest time out-of-specification being six (6) hours and 15 minutes. The maximum concentrations reached for chloride and fluoride were 0.18 ppm and 0.25 ppm respectively. A review of the Operator's log revealed that prior to each chloride and fluoride increase, an increase in Decay Heat System temperature had occurred.

Designation of Apparent Cause:

The apparent cause of this event is attributed to chloride and fluoride migration from the inservice demineralizer due to increasing temperature of the Decay Heat System. Increase in temperature decreases demineralizers capacity for chloride and fluoride.

Analysis of Occurrence:

There was no hazard created for the plant or general public as a result of this event.

Corrective Action:

Makeup and Purification System reduced chloride and fluoride concentration to within Technical Specification limits. OP-404, Decay Heat Removal System, has been revised to limit Decay Heat temperature to prevent recurrence of this type event.

Failure Data:

This is the fifth occurrence of this type reported. However, the first as a result of increased system temperature.

/rc