

## LICENSEE EVENT REPORT

EXHIBIT A

CONTROL BLOCK:										(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)									
F L C R P 3		0 0 - 0		0 0 0 0 0 - 0		4 1 1 1 1		-		-									
L G 0 5 0 - 0 3 0 2		0 7 1 7 7 9		0 7 1 8 7 9															
EVENT DESCRIPTION AND PROBABLE CONSEQUENCES										At 1350, Crystal River Unit #3 was notified that the valve operators for four (4) Chemical Addition Valves (CAV-1, 3, 4, and 5) had not been environmentally qualified for their intended use. Redundancy NA. No effect upon the plant or general public. This is the first occurrence of this type reported.									
SYSTEM CODE										CAUSE CODE									
S D										B C V A L V O P									
LER NO REPORT NUMBER										SEQUENTIA REPORT NO.									
7 9										0 6 2									
ACTION TAKEN										EFFECT ON PLANT									
X Z										Z Z									
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS										The cause of this event is attributed to the installation of valve operators that had not been environmentally qualified. The correct valve operators, meeting the environmental design requirements will be installed as soon as possible upon receipt, but not later than January 31, 1980.									
FACILITY STATUS										OTHER STATUS									
G 0 0 0 0										NA									
ACTIVITY CONTENT RELEASED OR RELEASE										AMOUNT OF ACTIVITY									
Z Z										NA									
PERSONNEL EXPOSURES NUMBER										DESCRIPTION									
0 0 0 0										NA									
PERSONNEL INJURIES NUMBER										DESCRIPTION									
0 0 0 0										NA									
LOSS OF OR DAMAGE TO FACILITY TYPE										DESCRIPTION									
Z										NA									
PULSATION DESCRIPTION										NRC USE ONLY									
N																			
NAME OF PREPARER										PHONE									
J. Cooper, Jr.										(904) 795-6486									

(SEE ATTACHED SUPPLEMENTARY INFORMATION SHEET)

427

318

7907300358 S

SUPPLEMENTARY INFORMATION

Report No.: 50-302/79-062/CIT-0

Facility: Crystal River Unit #3

Report Date: 18 July 1979

Occurrence Date: 17 July 1979

Identification of Occurrence:

Lack of environmental qualification of Chemical Addition Valves. CAV-1, 3, 4 and 5 reportable under Technical Specification 6.9.1.8.i.

Conditions Prior to Occurrence:

Mode 5 cold shutdown.

Description of Occurrence:

At 1350, Crystal River Unit #3 was notified that the valve operators for four (4) Chemical Addition Valves, CAV-1, 3, 4 and 5 had not been environmentally qualified for their intended use. It was determined that the insulation for the motor windings (polyester polyamide material) and the motor lead wires (teflon) are subject to breakdown due to radiation exposure at levels below those required. The required radiation qualification is  $2.0 \times 10^6$  rads while the installed material is qualified to  $1 \times 10^5$  rads.

Designation of Apparent Cause:

The cause of this event is attributed to the installation of valve operators that had not been environmentally qualified.

Analysis of Apparent Cause:

The highest radiation field at any of the valve operators is  $\sim 100$  mr/hr at full power and  $\sim 50$  mr/hr when shutdown. Conservatively assuming that the reactor was at full power whenever it was critical, the highest total dose received in two and a half years by any of the valves is  $\sim 1710$  rads which is far below the limit. Therefore the valve could have been expected to operate as required and the health and safety of plant personnel and the general public was not endangered.

Corrective Action:

New operators meeting environmental design requirements will be received on or about August 1, 1979. They will be installed as soon as possible but not later than January 31, 1980. (At that time, the highest radiation dose would be  $\sim 2170$  rads.)

Failure Data:

This is the first occurrence of this type reported.

427 319