

LICENSEE EVENT REPORT

EXHIBIT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

F I L Q R P 3 0 0 - 0 0 0 0 0 - 0 0 4 1 1 1 1

LICENSE CODE LICENSE NUMBER LICENSE TYPE LAT

CON'T

R E P O R T S O U R C E L 6 0 5 0 - 0 3 0 2 7 0 8 1 9 7 8 0 9 1 7 8

DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES

At 1740, inverter VBIT-1A failed causing the loss of power to the 120 volt A.C. vital bus 3-A. This caused DHV-3, decay heat removal outlet valve, to close, isolating decay heat removal. Redundancy was maintained with the auxiliary power supply to vital bus 3-A. This is the second occurrence of inverter VBIT-1A failure. No effects upon public health and safety since decay heat was minimal and auxiliary power was available within five minutes.

S Y S T E M CAUSE CAUSE COMPONENT COMP VALVE
CODE CODE SUBCODE SUBCODE SUBCODE
E R E G G E N E R A F Z

LEAD NO EVENT YEAR SEQUENTIAL OCCURRENCE REPORT REVISION
NUMBER REPORT NO. CODE TYPE NO.
7 8 — 0 4 2 D 13 L — 0

ACTION TAKEN ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT FORMS PRIME POWER SUPPLIER COMPONENT MANUFACTURER
F F Z Z 0 0 0 0 Y N N 5 2 5

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS

Cause of this event was due to electronic component failures within the inverter VBIT-1A. The inverter is presently undergoing rectifier modifications to improve reliability.

FACILITY STATUS A POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION
H 0 0 0 NA A Operator observation

ACTIVITY CONTENT RELEASED AMOUNT OF ACTIVITY LOCATION OF RELEASE
Z Z NA NA

PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION
0 0 0 Z NA

PERSONNEL INJURIES NUMBER DESCRIPTION
0 0 0 NA

LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION
Z NA

POLLUTION DESCRIPTION
N NA

NRC USE ONLY

PHONE (904) 795-6486

J. Cooner

79 07110 490

SUPPLEMENTARY INFORMATION

1. Report No.: 50-302/78-042/03L-0
2. Facility: Crystal River Unit #3
3. Report Date: 11 September 1978
4. Occurrence Date: 19 August 1978
5. Identification of Occurrence:

Less than one operable decay heat removal loop contrary to Technical Specification 3.9.8.

5. Conditions Prior to Occurrence:

Mode 6 refueling.

6. Description of Occurrence:

At 1740, the dual input inverter, VBIT-1A failed, causing the loss of power to the 120 volt A.C. Vital Bus 3-A. As a result of this power loss, a closing circuit to DHV-3, decay heat removal outlet valve, was energized, thus isolating the decay heat removal system. An auxiliary power source, utilizing the isolation power supply VBTR-3A, was placed into service to provide power to Vital Bus 3-A. The initial conditions for decay heat removal were re-established and the system was returned to full operability within fifteen minutes.

7. Designation of Apparent Cause:

The cause of this event was due to electronic component failures within inverter VBIT-1-A.

8. Analysis of Occurrence:

There was no safety hazard to the plant or general public as decay heat was minimal due to the fact that the plant was shut down for an extended period and auxiliary power was available within five minutes.

9. Corrective Action:

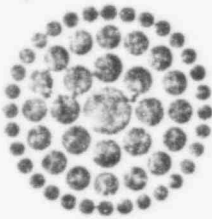
Inverter VBIT-1A is presently undergoing rectifier modifications to improve reliability.

10. Failure Data:

This is the second occurrence of inverter VBIT-1A failure as reported by LER 77-10

/rc

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**Florida
Power**
CORPORATION

15 September 1978
3-0-3-a-1
CS-78-190

Mr. J. P. O'Reilly, Director
U.S. Nuclear Regulatory Commission
Office of Inspection & Enforcement
101 Marietta St., Suite 3100
Atlanta, GA 30303

Docket No. 50-302
Licensee No. DPR-72
LER No. 78-042/03L-0
Crystal River Unit #3
Occurrence Date:
19 August 1978

Dear Mr. O'Reilly:

Enclosed please find Licensee Event Report 78-042/03L-0 and the attached supplementary sheet, which are submitted in accordance with Technical Specification 6.9.1.9.b.

Should there be any questions, please contact us.

Very truly yours,

FLORIDA POWER CORPORATION

W. P. Stewart

W. P. Stewart
Director, Power Production

GMW/rc

GMW

Nuclear Plant Manager

Attach: (2)

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