

LICENSEE EVENT REPORT

EXHIBIT A

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

0 1 F L C R P 3 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5

7 8 9 14 15 25 26 57 58

CON'T

0 1 L 6 0 1 5 0 - 10 3 0 2 7 0 7 2 1 8 3 8 0 8 1 9 8 3 9

7 8 60 61 68 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 On two occasions, 0330 July 21 until 1520 July 22 and 0700 July 27 until

0 3 0600 July 29, the emergency feedwater ultrasonic flow indicator on steam

0 4 generator "B" was inoperable. Emergency feedwater flow indication was

0 5 available through the steam generator "B" level indicator. This is the

0 6 tenth and eleventh failure of this instrument and the twenty-first event

0 7 reported under T.S. 3.7.1.2.

0 8

0 9

SYSTEM CODE CH (11) CAUSE CODE E (12) CAUSE SUBCODE A (13) COMPONENT CODE INSTRU (14) COMP SUBCODE E (15) VALVE SUBCODE Z (16)

9 10 11 12 13 14 15 16 17 18 19 20

17 8 3 1 0 2 9 0 3 L 0

21 22 23 24 25 26 27 28 29 30 31 32

18 A F Z Z 0 0 0 0 Y N A C 6 2 6

33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The initial failure of this indicator was caused by an electrical malfunc-

1 1 tion in the transducers. The transducers were replaced. The second

1 2 failure was caused by improperly mounting the replacement transducers

1 3 using a low temperature sealant. The transducers were remounted using a

1 4 high temperature sealant.

1 5 C 0 0 0 0 N/A A Operator Observation

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1 6 Z Z N/A N/A N/A

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1 7 0 0 0 Z N/A

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1 8 0 0 0 N/A

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1 9 Z N/A

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

2 0 N N/A

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

NAME OF PREPARER P.G. Hughes PHONE (904) 795-3802

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SUPPLEMENTARY INFORMATION

REPORT NO: 50-302/83-029/03L-0

FACILITY: Crystal River Unit 3

REPORT DATE: August 19, 1983

OCCURRENCE DATE: July 21, 1983

IDENTIFICATION OF OCCURRENCE:

Emergency Feedwater (EFW) Ultrasonic Flow Indicator, FW-313-FI, was inoperable. This malfunction causes Train 'B' of the EFW system to be considered inoperable. Technical Specification 3.7.1.2 requires both EFW trains be operable during Mode 3.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 3 (HOT STANDBY).

DESCRIPTION OF OCCURRENCE:

At 0330 on July 21, 1983, while performing a routine channel check, it was discovered that the EFW Ultrasonic Flow indicator on the 'B' steam generator was reading high. This indication should have been reading zero flow because the EFW system was not operating at the time.

Upon investigation, it was determined that the anomaly was caused by malfunctioning transducers. These transducers were replaced, returning the system to operability by 1520 on July 22, 1983.

At 0700 on July 27, 1983, this instrument again began indicating a higher than expected flow. Investigations revealed that the recently replaced transducers had been improperly mounted. The instrument was remounted correctly and returned to operability at 0600 on July 29, 1983.

DESIGNATION OF APPARENT CAUSE:

The initial failure of this flow indicator was apparently caused by an electrical malfunction in the transducers.

The second failure was caused by mounting the new transducers with a sealant that was susceptible to degradation caused by high temperatures (greater than or equal to 250°F). Using the low temperature sealant (RTV) tends to interfere with the ultrasonic signal when the sealant environment exceeds 250°F. Normally one expects this particular area to remain below 250°F. However, back flow from the steam generator can cause this line to heat up.

ANALYSIS OF OCCURRENCE:

Emergency Feedwater indication was available through Steam Generator 'B' Level indicator. Thus there was no effect on public health or safety.

CORRECTIVE ACTIONS:

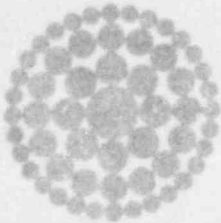
The faulty transducers were replaced.

The low temperature sealant was removed from the transducers. The transducers were remounted using a high temperature sealant.

Ultrasonic Flow indicators will be replaced with conventional instruments during the EFW system upgrade (scheduled for Refuel V).

FAILURE DATA:

This is the tenth and eleventh failure of this instrument and the 21st event reported under Technical Specification 3.7.1.2.



USNRC REGION II
ATLANTA, GEORGIA

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**Florida
Power**
CORPORATION

August 19, 1983
3F-0883-14

Mr. James P. O'Reilly
Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
Office of Inspection & Enforcement
101 Marietta Street N.W., Suite 2900
Atlanta, GA 30303

Subject: Crystal River Unit 3
Docket No. 50-302
Operating License No. DPR-72
Licensee Event Report No. 83-029

Dear Mr. O'Reilly:

Enclosed please find Licensee Event Report No. 83-029, and the attached supplementary information sheet, which are submitted in accordance with Technical Specification 6.9.1.9.b.

Should there be any questions, please contact this office.

Sincerely,

P. Y. Baynard
Assistant to Vice President
Nuclear Operations

AEF/rw

Enclosure

cc: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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