



**Florida
Power**
CORPORATION

Crystal River Unit 3
Docket No. 50-302

January 7, 1993

3F0193-03

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

Subject: Licensee Event Report (LER) 92-026

Dear Sir:

Enclosed is Licensee Event Report (LER) 92-026 which is submitted in accordance with 10 CFR 50.73.

Sincerely,

G. L. Boldt
Vice President
Nuclear Production

EEF:mag

Enclosure

xc: Regional Administrator, Region II
Project Manager, NRR
Senior Resident Inspector

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PDR ADOCK 05000302
S PDR

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A Florida Progress Company

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EXPIRES 4/30/92

LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HOURS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON DC 20503.

FACILITY NAME (1)

CRYSTAL RIVER UNIT 3 (CR-3)

DOCKET NUMBER (2)

0 5 0 0 0 3 0 2

PAGE (3)

1 OF 0 3

TITLE (4)

Replacement of Failed Reactor Coolant System Flow Transmitter Causes Voluntary Entry Into Technical Specification 3.0.3

EVENT DATE (5)			LER NUMBER (6)		REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)														
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)											
1	2	8	9	2	0	2	6	0	0	0	1	0	7	9	3	N/A	0	5	0	0	0	0
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (CHECK ONE OR MORE OF THE FOLLOWING) (11)																			
POWER LEVEL (10)			OTHER (Specify in Abstract below and in Text, NRC Form 366A)																			

LICENSEE CONTACT FOR THIS LER (12)

NAME

W. A. Stephenson, Nuclear Safety Supervisor

TELEPHONE NUMBER

AREA CODE

9 0 4 7 9 5 - 6 4 8 6

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)

EXPECTED
SUBMISSION
DATE (16)

MONTH DAY YEAR

YES (If yes, complete EXPECTED SUBMISSION DATE)

X NO

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (18)

On December 8, 1992, at 2105 and 2310, Crystal River Unit 3 voluntarily entered Technical Specification Limiting Condition For Operation 3.0.3 to replace a Reactor Coolant System flow transmitter in the "B" Reactor Protection System (RPS) channel. With the "B" RPS channel in trip, the "C" channel was placed in bypass to minimize the possibility of the "C" channel tripping due to pressure changes in the instrument sensing lines while isolating and restoring the flow transmitter. The "C" channel tripping with the "B" channel already tripped would have resulted in a reactor trip. Entry into Technical Specification 3.0.3 was performed voluntarily as part of a preplanned and pre-approved maintenance plan, including discussions with NRC representatives.

EXPIRES 4/30/92

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST 50.0 HOURS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON DC 20503.

FACILITY NAME (1) CRYSTAL RIVER UNIT 3 (CR-3)	DOCKET NUMBER (2)		LER NUMBER (8)			PAGE (5) 0 2 OF 0 3
			YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
			9 2	0 2 8	0 0	
0 5 0 0 0 3 0 2						

TEXT (If more space is required, Use additional NRC Form 356A's (17))

EVENT DESCRIPTION:

On December 8, 1992, at 2105 and 2310, Crystal River Unit 3 (CR-3) voluntarily entered Technical Specification Limiting Condition For Operation (LCO) 3.0.3 while replacing a Reactor Coolant System (RCS) flow transmitter [AB,FT] in the "B" channel of the Reactor Protection System (RPS) [JC]. Technical Specification (TS) 3.0.3 was entered during isolation and restoration of the "B" channel transmitter by placing the "C" RPS channel in bypass. The RPS TS 3.3.1.1 does not allow bypassing a channel for maintenance purposes while another channel is inoperable and tripped. Entry into TS 3.0.3 is considered a condition prohibited by TS and is reportable in accordance with 10CFR50.73(a)(2)(i)(B).

Early on December 8, 1992, the RCS flow transmitter in the "B" RPS channel failed. In accordance with TS 3.3.1.1, the channel "B" RPS channel was placed in a tripped condition. During the transmitter replacement, there was a high probability that a pressure variation would occur in the instrument sensing lines during transmitter isolation and restoration. This type of localized pressure variation could cause a trip of the "C" RPS channel on flux/delta flux/flow. With the "B" channel tripped, a trip of the "C" channel would cause a reactor trip. Previous operating experience at a similar plant indicated pressure variations were likely while valving in and out of the flow transmitters; thus, reactor power was held at approximately 90% and the "C" RPS channel was placed in bypass while isolating the failed transmitter. When the replacement transmitter was installed, the "C" channel was again bypassed for several minutes while the isolation valves were reopened. By 0100 on December 9, 1992, the post maintenance test of the replacement flow transmitter was completed satisfactorily and the "B" RPS channel was returned to an active state.

CAUSE

Entry into TS 3.0.3 was performed voluntarily as a part of a preplanned and pre-approved maintenance plan. The decision to voluntarily enter 3.0.3 was previously discussed with plant management and NRC representatives.

CORRECTIVE ACTIONS

No corrective actions are planned.

EXPIRES 4/30/92

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0 5 0 0 0 3 0 2

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SEQUENTIAL
NUMBERREVISION
NUMBER

9 2

0 2 8

0 0

PAGE (3)

0 3 OF 0 3

TEXT (If more space is required, Use additional NRC Form 366A's (17))

EVENT EVALUATION

Voluntarily entering TS 3.0.3 did not create a condition adverse to plant safety. TS recognize the need to bypass an additional channel of RPS for surveillance testing with one channel inoperable and tripped. However, the TS do not specify that a channel may be bypassed for maintenance purposes with one channel already tripped. Bypassing the RPS channel did not defeat the RPS trip function which could still be accomplished by either of the two remaining channels.

PREVIOUS SIMILAR EVENTS

This was the first time CR-3 voluntarily entered TS 3.0.3 for RCS flow transmitter maintenance. In the past, TS 3.0.3 has been entered for preplanned maintenance on the Auxiliary Building ventilation system and the Nuclear Services Cooling System.