

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) CRYSTAL RIVER UNIT 3										DOCKET NUMBER (2) 0 5 0 0 0 3 0 2					PAGE (3) 1 OF 0 2					
TITLE (4) AUTO START OF EMERGENCY DIESEL GENERATOR																				
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 N/A				DOCKET NUMBER(S) 0 5 0 0 0							
0 2	2 2	8 5	8 5	0 0 2	0 0	0 3	2 2	8 5	N/A				0 5 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)																		
1		20.402(b)				20.406(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)				73.71(b)						
POWER LEVEL (10)		0 6 1				20.406(a)(1)(i)				50.36(a)(1)				50.73(a)(2)(v)				73.71(a)		
		20.406(a)(1)(ii)				50.36(a)(2)				50.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 306A)						
		20.406(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(vii)(A)										
		20.406(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(vii)(B)										
		20.406(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(x)										
LICENSEE CONTACT FOR THIS LER (12)																				
NAME W. K. Bandhauer, Nuclear Safety Supervisor										TELEPHONE NUMBER AREA CODE 9 0 4 7 9 5 - 6 4 8 6										
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																				
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS										
B	LIC	FILIT	N 1 7 1 4	Yes																
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR				
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)												<input checked="" type="checkbox"/> NO								

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On February 22, 1985, a drain petcock on air start solenoid air filter, EGFL-4, in the "B" Emergency Diesel Generator (EGDG-1B) air start system failed. The failure resulted in a start of the diesel generator (Engineered Safety Feature). On April 4, 1984, and July 13, 1984, similar failures also resulted in starting EGDG-1B.

These filters will be replaced with one designed for a higher pressure.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1) CRYSTAL RIVER UNIT 3	DOCKET NUMBER (2) 0 5 0 0 0 3 0 2	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 5	— 0 0 2	— 0 0 0	2	OF	0 2

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

EVENT DESCRIPTION

On February 22, 1985, Crystal River Unit 3 was operating at 61% Rated Thermal Power while generating 523 MWe. At 2340, the "B" emergency diesel air start pressure low alarm (LC, PA) was activated. Investigation revealed that a drain petcock on filter EGFL-4 (LC, FLT) had failed. Loss of air at the petcock fitting caused a drop in pressure on the operator for the air start valve EGV-59 (LC, V), causing the valve to open. This supplied starting air to EGDG-1B and the engine started.

The drain petcock is installed in the filter body with a plastic bushing. This plastic bushing failed due to a combination of pressure, heat, vibration, and over torquing. The filter is rated 250 psig, which is the nominal pressure of the emergency diesel starting air system.

SAFETY CONSIDERATIONS

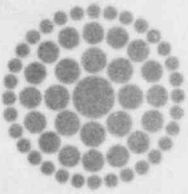
The Emergency Diesel Generator successfully started when the filter failed. Starting air pressure, however, was bled down to a point where the diesel could not be restarted if stopped. Consequently, the diesel was kept running until the air start system was repaired.

CORRECTIVE ACTION

All four air start solenoid air filters will be replaced with filters rated for a higher pressure. This modification is planned for completion during the current refueling outage.

PREVIOUS SIMILAR EVENTS

Two previous failures of the drain petcocks on the air start solenoid air filters have occurred at CR-3 and were reported on LER 84-015.



**Florida
Power**
CORPORATION

March 22, 1985
3F0385-21

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Crystal River Unit 3
Docket No. 50-302
Operating License No. DPR-72
Licensee Event Report No. 85-002-00

Dear Sir:

Enclosed is Licensee Event Report (LER) No. 85-002-00 which is submitted in accordance with 10 CFR 50.73.

Should there be any questions, please contact this office.

Sincerely,

G. R. Westafer
Manager, Nuclear Operations
Licensing and Fuel Management

AEF/feb

Enclosure

cc: Dr. J. Nelson Grace
Regional Administrator, Region II
Office of Inspection & Enforcement
U.S. Nuclear Regulatory Commission
101 Marietta Street N.W., Suite 2900
Atlanta, GA 30323

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