

## 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) AUTOMATIC ACTUATION OF EMERGENCY DIESEL GENERATOR																																																	
EVENT DATE (5) MONTH DAY YEAR 0 6 1 9 8 5										LER NUMBER (6) YEAR SEQUENTIAL NUMBER REVISION NUMBER 8 5 - 0 0 7 - 0 0										REPORT DATE (7) MONTH DAY YEAR 0 7 1 9 8 5										OTHER FACILITIES INVOLVED (8) FACILITY NAMES DOCKET NUMBER(S) N/A 0 5 0 0 0																			
OPERATING MODE (9) 6										THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8. (Check one or more of the following) (11)																																							
POWER LEVEL (10) 0 0 0										20.402(a) 20.402(a)(1)(i) 20.402(a)(1)(ii) 20.402(a)(1)(iii) 20.402(a)(1)(iv) 20.402(a)(1)(v)										20.405(c) 50.38(a)(1) 50.38(a)(2) 50.73(a)(2)(i) 50.73(a)(2)(ii) 50.73(a)(2)(iii)										50.73(a)(2)(iv) 50.73(a)(2)(v) 50.73(a)(2)(vi) 50.73(a)(2)(vii)(A) 50.73(a)(2)(vii)(B) 50.73(a)(2)(viii)										73.71(b) 73.71(c) OTHER (Specify in Abstract below and in Text, NRC Form 366A)									
LICENSEE CONTACT FOR THIS LER (12) NAME W. K. Bandhauer, Nuclear Safety Supervisor																														TELEPHONE NUMBER AREA CODE 9 1 0 1 4 7 1 9 1 5 1 - 1 6 1 4 1 8 1 6																			
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																																																	
CAUSE SYSTEM COMPONENT MANUFACTURER REPORTABLE TO NPDOS X E K F U M 1 7 5 NO										CAUSE SYSTEM COMPONENT MANUFACTURER REPORTABLE TO NPDOS																																							
SUPPLEMENTAL REPORT EXPECTED (14) YES (If yes, complete EXPECTED SUBMISSION DATE) X NO																														EXPECTED SUBMISSION DATE (15) MONTH DAY YEAR																			

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

On June 19, 1985, while in a refueling outage, Crystal River Unit 3 experienced an actuation of the "A" Emergency Diesel Generator (EGDG-1A) automatic start circuit. There was no undervoltage condition on the bus at the time, so the output breaker did not connect the generator to the "A" Engineered Safeguards (ES) 4160 VAC Bus.

Subsequent investigation revealed that the automatic start actuation was a result of the failure of a fuse in the automatic start circuit. The cause of the fuse failure has been investigated and is indeterminable.

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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 8 5 - 0 0 7 - 0 0	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
					0 2	OF	0 2

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

EVENT DESCRIPTION

On June 19, 1985, Crystal River Unit 3 was in a refueling outage with reactor refueling in progress. At 0809 visual and audible alarms indicated that the "A" Emergency Diesel Generator (DG) of the Emergency Power System (EK) had started. There was no Engineered Safeguards (JE) signal nor undervoltage signal present. The Emergency Diesel Generator was not required to automatically supply the "A" ES 4160 VAC Bus and it did not do so. Subsequent investigation showed that the automatic actuation portion of the start circuit had been de-energized by a blown fuse (FU). This circuit is designated to "fail safe" and therefore, the automatic start of the Emergency Diesel Generator was an appropriate response. The circuit was checked but no faults or other causes for the blown fuse were found.

SAFETY CONSIDERATIONS

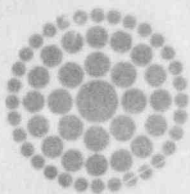
The safety features of the Emergency Power System functioned as required and therefore, except for a spurious start of the Emergency Diesel Generator, there was no impact on safety for this event.

CORRECTIVE ACTIONS

The failed fuse was replaced after the circuit was investigated for faults. No faults were found and the replacement fuse is functioning properly.

PREVIOUS SIMILAR EVENTS

Unplanned Emergency Diesel Generator automatic starts have occurred six times in the past; however, this is the first event in which the EGDG automatic start resulted from actuation of the start circuit due to fuse failure.



**Florida  
Power**  
CORPORATION

July 19, 1985  
3F0785-25

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. 85-007-00

Dear Sir:

Enclosed is Licensee Event Report (LER) No. 85-007-00 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