

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Waterford 3 Steam Electric Station										DOCKET NUMBER (2) 0 5 0 0 0 3 8 2				PAGE (3) 1 OF 0 3			
TITLE (4) Partial Engineered Safety Features Actuation																	
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)				
									N/A				0 5 0 0 0				
0 1	1 7	8 5	8 5	0 0 3	0 0	0 2	1 8	8 5	N/A				0 5 0 0 0				
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)															
5		20.402(b)				20.406(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)				73.71(b)			
POWER LEVEL (10)		20.406(a)(1)(i)				50.36(c)(1)				50.73(a)(2)(v)				73.71(c)			
0 1 0 1 0		20.406(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 308A)			
		20.406(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(viii)(A)							
		20.406(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)							
		20.406(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)							
LICENSEE CONTACT FOR THIS LER (12)																	
NAME O.D. Hayes, Operations Superintendent										TELEPHONE NUMBER AREA CODE 5 0 4 4 6 4 - 3 1 1 8							
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																	
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS							
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)					
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)												<input checked="" type="checkbox"/> NO					
												MONTH DAY YEAR					

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

ABSTRACT

On January 17, 1985 Waterford 3 Steam Electric Station was in mode 5 when Maintenance Personnel, while troubleshooting a ground in the Engineered Safety Feature Actuation Signal (ESFAS) Relay Cabinet B, inadvertently shorted two leads together causing a momentary loss of relay control power to the actuation relays. This resulted in the cycling of the Engineered Safety Feature Actuation Signal relays causing both the operating Low Pressure Safety Injection Pump B and electrical bus 3B-32 to trip. Both the Low Pressure Safety Injection Pump and the 3B-32 bus were quickly restored to service.

This event was reported to the Commission pursuant to 10CFR50.72(b)(2)(11).

8502250031 850218  
PDR ADDCK 05000382  
S PDR

IE22  
11

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Waterford 3 Steam Electric Station	0 5 0 0 0 3 8 2 8 5	—	0 0 3	—	0 0	0 2	OF 0 3

TEXT (If more space is required, use additional NRC Form 365A's) (17)

NARRATIVE

On January 17, 1985 Waterford 3 Steam Electric Station was in mode 5 when Maintenance Personnel were troubleshooting a ground in the Engineered Safety Features Actuation Signal (ESFAS) Relay Cabinet B (3BS). At 1023 hours two circuit wires, points 11 and 12 on terminal board 83, were momentarily shorted causing a loss of relay control power to the actuation relays. This resulted in the cycling of the Engineered Safety Features Actuation Signal relays causing both the Low Pressure Safety Injection Pump B and non-safety electrical bus 3B-32 to trip. The 3B-32 bus and the Low Pressure Safety Injection Pump B were restored to service at 1032 and 1044 hours, respectively.

Upon review of the event and equipment logic, it appears the shorting of the two circuit wires simulated a partial Recirculation Actuation Signal and a 3B-32 bus undervoltage.

SAFETY CONSEQUENCES AND IMPLICATIONS

The event temporarily produced a loss of Shutdown Cooling when the operating Low Pressure Safety Injection Pump tripped. However, since the pump was quickly restored to service, and, at present plant conditions, there is no residual heat within the core, the health and safety of the public and plant personnel was never in jeopardy.

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Waterford 3 Steam Electric Station	0 5 0 0 0 3 8 2 8 5	—	0 0 3	—	0 0	0 3	OF 0 3

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

CORRECTIVE ACTION

In an effort to prevent such events from occurring in the future, the Waterford 3 Maintenance Superintendent has developed a list of rules for all Maintenance Personnel to follow when performing work on high risk equipment. These rules will be outlined in Maintenance Directive number 12, Program to Minimize Inadvertent ESF Actuations and Plant Trips, which will be issued by mid March.

PLANT CONTACT

O.D. Hayes, Operations Superintendent, 504/464-3118





**LOUISIANA**  
**POWER & LIGHT**

142 DELARONDE STREET • P.O. BOX 8008  
NEW ORLEANS, LOUISIANA 70174-8008 • (504) 386-2345

February 18, 1985

W3P85-0383  
3-A1.01.04  
C14.03  
A4.05

Director, Office of Nuclear Reactor Regulation  
ATTENTION: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Subject: Waterford 3 SES  
Docket No. 50-382  
License No. NPF-26  
Reporting of Licensee Event Report

Dear Sirs:

Attached is Licensee Event Report Number LER-85-003-00 for the Waterford 3 Steam Electric Station. This Licensee Event Report is submitted per 10CFR50.73(a)(2)(iv).

Very truly yours,

K.W. Cook  
Nuclear Support & Licensing Manager

KWC:GEW:sms

Attachment

cc: R.D. Martin, G.W. Knighton, D.M. Crutchfield, NRC Resident Inspectors  
Office, INPO Records Center (D.L. Gillispie), E.L. Blake,  
W.M. Stevenson

IF22  
11