

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Shoreham Nuclear Power Station Unit #1										DOCKET NUMBER (2) 0 5 0 0 0 3 2 2				PAGE (3) 1 OF 0 2	
TITLE (4) ESF Actuations and Suspended Fire Watches due to Hurricane "Gloria"															
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)		
0 9	2 7	8 5	8 5	0 4 6	0 0	1 0	2 5	8 5					0 5 0 0 0		
OPERATING MODE (9) 4			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)												
POWER LEVEL (10) 0 0 0			20.402(b)			20.408(c)			<input checked="" type="checkbox"/> 50.73(a)(2)(iv)			73.71(b)			
			20.405(a)(1)(i)			50.36(e)(1)			<input type="checkbox"/> 50.73(a)(2)(v)			73.71(c)			
			20.406(a)(1)(ii)			50.36(e)(2)			<input type="checkbox"/> 50.73(a)(2)(vii)			OTHER (Specify in Abstract below and in Text, NRC Form 366A)			
			20.406(a)(1)(iii)			50.73(a)(2)(i)			<input type="checkbox"/> 50.73(a)(2)(viii)(A)						
			20.406(a)(1)(iv)			50.73(a)(2)(ii)			<input type="checkbox"/> 50.73(a)(2)(viii)(B)						
			20.406(a)(1)(v)			50.73(a)(2)(iii)			<input type="checkbox"/> 50.73(a)(2)(ix)						
LICENSEE CONTACT FOR THIS LER (12)															
NAME Robert W. Grunseich, Operational Compliance Engineer										TELEPHONE NUMBER 5 1 6 9 2 9 - 8 3 0 0					
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)															
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS						
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 September 27, 1985 at 1225, ESF actuations occurred due to spiking low voltage conditions on the 138KV transmission system caused by Hurricane "Gloria". In addition, at 1110, hourly fire watches were suspended in the Screenwell and the Diesel Fuel Oil Pump House for personnel safety reasons. An Unusual Event (UE-13) was declared at 1005 and was upgraded to an Alert (A-17) at 1100. The Plant was in Operational Condition 4 during all events with all rods inserted in the core. Due to the undervoltage condition, the Reactor Building Closed Loop Cooling Water (RBCLCW) System split into its accident mode and the Reactor Building Standby Ventilation System (RBSVS) initiated. In accordance with a plant standing order the Control Room Air Conditioning (CRAC) System was manually initiated. The Alert was downgraded to an Unusual Event at 1525 and the Unusual Event was terminated at 1645. The fire watches were resumed at 1735. The RBSVS and CRAC system were reset and the RBNVS was returned to its normal operating configuration at 2045. The RBCLCW system had already been returned to normal. Plant Management was notified of the event and the NRC was notified per 10CFR 50.72 at 1435.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

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		
Shoreham Nuclear Power Station Unit #	05000322	85	046	00	02	OF 02

TEXT (If more space is required, use additional NRC Form 306A's) (17)

On September 27, 1985 at 1225, ESF actuations occurred due to spiking low voltage conditions on the 138KV power lines caused by Hurricane "Gloria". At 1110 hourly fire watches were suspended in the Screenwell and the Diesel Generator Fuel Oil Pump House for personnel safety reasons. An Unusual Event (UE-13) was declared at 1005 and was upgraded to an Alert (A-17) at 1100. The plant was in Operational Condition 4 during all events with all rods inserted in the core. Due to the predictions of an approaching hurricane, the Reactor was placed in Cold Shutdown on September 27, 1985 at 0525. At 0955, a Tornado watch for Nassau and Suffolk County (Long Island, N.Y.) was in effect. At 1005 an Unusual Event (UE-13) was declared. For personnel safety reasons and because of flood protection which precluded entry into the buildings, the outside fire patrols in the Screenwell and the Diesel Generator Fuel Oil Pump House were suspended at 1110. The fire watches were required by compensatory measures taken by the Licensee to conform with Confirmatory Action Letter CAL 84-25. The safety significance to this event was minimal because fire detectors in the buildings would have detected a fire in the areas.

At 1225 due to storm conditions several secondary feeders from the 138KV power lines experienced low voltage spikes due to suspected short circuiting. This undervoltage condition resulted in signals to the Reactor Building Closed Loop Cooling Water System (RBCLCW) and the Reactor Building Standby Ventilation System (RBSVS). The RBCLCW system split into its accident mode, isolating into two separate, independent loops. The RBSVS initiated causing the Reactor Building Normal Ventilation system (RBNVS) to isolate. The Control Room Air Conditioning (CRAC) system was manually initiated in accordance with the plant standing orders. The safety significance for both initiations is minimal. Both systems operated as designed and cooling water to safety related equipment was available.

At 1525, the Alert was downgraded to an Unusual Event and at 1645 the Unusual Event was terminated. At 2045, the RBSVS and CRAC system were reset and the RBNVS was returned to its normal operating condition. The RBCLCW had already been returned to normal.

All plant systems operated as designed. No ECCS systems were challenged or required for the events. The operators carried out all required actions. Plant Management was notified of the events and the NRC was notified per 10CFR50.72 at 1435.



LONG ISLAND LIGHTING COMPANY

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October 25, 1985

PM-85-239

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

Dear Sir:

In accordance with 10CFR50.73, enclosed is a copy of Shoreham Nuclear Power Station Unit 1's Licensee Event Report 85-046.

Sincerely yours,

William E. Steiger, Jr.
Plant Manager

WES/gr

Enclosure

cc: Dr. Thomas E. Murley, Regional Administrator
John Berry, Senior Resident Inspector
Institute of Nuclear Power Operations, Records Center
American Nuclear Insurers

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