

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Shoreham Nuclear Power Station Unit #1 DOCKET NUMBER (2) 05000322 PAGE (3) 1 OF 3

TITLE (4) Loss of Power to "A" RPS bus due to spurious tripping of EPA breaker resulting in ESF actuations

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	4	27	8	7	8	7	0	5	2	2	8	7	0	5	0	0	0	0	0	0

OPERATING MODE (9) 4

POWER LEVEL (10) 0100

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 6: (Check one or more of the following) (11)

20.402(b)	20.406(e)	X	60.73(a)(2)(iv)	73.71(b)
20.406(a)(1)(i)	60.36(e)(1)		60.73(a)(2)(v)	73.71(c)
20.406(a)(1)(ii)	60.36(e)(2)		60.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
20.406(a)(1)(iii)	60.73(a)(2)(i)		60.73(a)(2)(viii)(A)	
20.406(a)(1)(iv)	60.73(a)(2)(ii)		60.73(a)(2)(viii)(B)	
20.406(a)(1)(v)	60.73(a)(2)(iii)		60.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12) Robert W. Grunseich, Operational Compliance Engineer TELEPHONE NUMBER 5116 912191-1813100

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

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 April 27, 1987 at 2341, a loss of "A" RPS power occurred due to the spurious tripping of the "A" RPS Bus (Electrical Protection Assembly (EPA) breaker 1C71\*BKR-002B. The plant was in Operational Condition 4 with the mode switch in Shutdown and all rods inserted in the core. As a result of the loss of power, a half RPS "A" initiation occurred along with an inboard NSSSS isolation, RWCU isolation and a RBSVS/CRAC "A" side initiation. An operator was dispatched to the area where the breaker is located (Control Bldg. Elev. 26'0") to identify if any actions in the area could have caused the breaker to trip. No abnormal conditions were present. Operators verified the trip as spurious and took the necessary steps to restore the systems to their normal configuration prior to the event. At 2350, the EPA breaker, the 1/2 trip, the NSSSS isolations and RBSVS/CRAC initiations were reset. At 2355, RWCU was placed back into service. Plant Management was notified of the event and the NRC was notified on 4/28/87 at 0045. Because the event was deemed spurious, no further corrective actions were required.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENT. A. NUMBER	REVISION NUMBER			
		87	0   1   1	0   0	0   2	OF	0   3

\*LF\* If more space is required use additional NRC Form 2064's (17)

PLANT AND SYSTEM IDENTIFICATION

General Electric - Boiling Water Reactor

Energy Industry Identification System (EIIS) codes are identified in the text as [xx].

IDENTIFICATION OF THE EVENT

An unplanned automatic actuation of ESF systems [Half "A" RPS [JC], inboard Nuclear Steam Supply Shutoff System isolation (NSSSS) [JM], Reactor Water Cleanup isolation (RWCU) [CE], and a Reactor Building Standby Ventilation System (RBSVS)/Control Room Air Conditioning (CRAC) System "A" initiation [VA]] due to loss of "A" RPS power resulting from the spurious tripping of the "A" RPS Bus EPA breaker.

Event Date: 4/27/87

Report Date: 5/22/87

CONDITIONS PRIOR TO THE EVENT

Operational Condition 4 (Cold Shutdown)

Mode Switch - Shutdown

RPV Pressure = 0 psig                      RPV Temperature = 129 Degrees F

All rods inserted in the core.

DESCRIPTION OF THE EVENT

On April 27, 1987 at 2341, a loss of "A" RPS power occurred due to the spurious tripping of the "A" RPS Bus Electrical Protection Assembly (EPA) breaker 1C71\*BKR-002B. As a result of the loss of power, a half RPS "A" initiation occurred along with an inboard NSSSS isolation, RWCU isolation and a RBSVS/CRAC "A" side initiation. An operator was dispatched to the area where the breaker is located (Control Bldg. Elev. 26'0") to identify if any actions in the area could have caused the breaker to trip. No abnormal conditions were present. Operators verified the trip as spurious and took the necessary steps to restore the systems to their normal configuration prior to the event. At 2350, the EPA breaker, the 1/2 trip, the NSSSS isolations and RBSVS/CRAC initiations were reset. At 2355, RWCU was placed back into service. Plant Management was notified of the event and the NRC was notified on 4/28/87 at 0045.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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LER if more space is required use additional NRC Form 200a (17)

CAUSE OF THE EVENT

The cause of the breaker trip was verified to be spurious. The breaker was last calibrated on 3/13/87, with no problems identified during the channel calibration test.

ANALYSIS OF THE EVENT

This event resulted in unplanned automatic actuations of ESF systems (1/2 RPS, 1/2 NSSSS, RBSVS/CRAC and RWCU) and is reportable per 10CFR50.73(a)(2)(iv). There is minimal safety significance to the event. All systems operated as designed. Operators carried out all required actions. The RBSVS/CRAC systems operated for approximately ten minutes. Had this event occurred under a more severe set of circumstances (5% power), the safety significance would still be minimal.

CORRECTIVE ACTIONS

Because the event was deemed spurious, no further corrective actions were required.

ADDITIONAL INFORMATION

- a. Manufacturer and model number of failed component (s)  
None
- b. LER numbers of previous similar events  
86-029



**LONG ISLAND LIGHTING COMPANY**

SHOREHAM NUCLEAR POWER STATION • P.O. BOX 628 • WADING RIVER, NEW YORK 11792

TEL. (516) 929-8300

May 22, 1987

PM-87-132

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's Licensee Event Report LER 87-011.

Sincerely yours,

William E. Steiger, Jr.  
Plant Manager

WES/pz

Enclosure

cc: William T. Russell, Regional Administrator  
Clay Warren, Senior Resident Inspector  
Institute of Nuclear Power Operations, Records Center  
American Nuclear Insurers

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