

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)										DOCKET NUMBER (2)										PAGE (3)			
Shoreham Nuclear Power Station Unit #1										0 5 0 0 0 3 2 2										1 OF 0 3			

TITLE (4)

Missed Daily Channel Checks

EVENT DATE (6)			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	7	06	8	5	8	5	-	0	2	5	-	0	0	0	8	0	9	8	5	0	5	0	0	0				

OPERATING MODE (8)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)									
2		20.402(b)		20.406(c)		50.73(a)(2)(iv)		73.71(b)			
POWER LEVEL (10)	01012	20.406(a)(1)(i)		50.36(c)(1)		50.73(a)(2)(v)		73.71(c)			
		20.406(a)(1)(ii)		50.36(c)(2)		50.73(a)(2)(vii)		OTHER (Specify in Abstract below and in Text, NRC Form 366A)			
		20.406(a)(1)(iii)	X	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	TELEPHONE NUMBER										
	AREA CODE										
Gary G. Rhoads, Operational Compliance Engineer	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 NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
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 July 15, 1985 at 1520, while in Operational Condition 2, with the main condenser steam jet air ejectors operating, it was determined that a temporary modification (TM 85-03-010) made in March 1985 to the Steam Jet Air Ejector Radiation (SJAE) elements had been improperly implemented. The detectors were declared inoperable. Technical Specification Limiting Condition for Operation [LCO] 3.3.7.11 was entered and complied with. On July 17, 1985 a change was made to the modification to correct all noted deficiencies, the LCO was cleared, and the detectors were declared operable. A review of plant operating history revealed that from July 6 to July 13 the plant also operated with the SJAEs operating without the temporary modification properly implemented. During this period the plant was operating at low power and pressure [1% and 150 psig], with the Auxiliary Boiler supplying steam to the SJAE's. Other radiation detectors in series with these detectors were operable and indicated no abnormalities. Additionally two samples were taken of the SJAE effluents during this period which indicated normal levels for the plant conditions. Consequently there was no safety significance to not having fully implemented the modification.

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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				
Shoreham Nuclear Power Station Unit #1	05000322	85	025	0	0	2	OF	03

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

On July 15, 1985 at 1520, while in Operational Condition 2, it was determined that a temporary modification (TM 85-03-010) to the Steam Jet Air Ejector Radiation (SJAE) elements in March 1985, had been improperly implemented. At approximately 1000, a spurious alarm came in on alarm 1164 (SJAE RAD MON TROUBLE) in the control room. The on-shift Watch investigating the alarm reviewed the temporary modification to this system. It was determined that the Radiation Elements were not connected to the Radiation Monitoring Services (RMS) computer or to the RIS indicators on the back panels of the Control room. These locations were being used by the Control room operators to perform their Technical specification required daily channel checks. When the problem with the modification was discovered, a special surveillance document check sheet was implemented to take local readings and channel checks of the installed instruments. Since the plant was in the process of low power testing, the low readings on the Control room indicators had been considered normal by the operators.

Based on finding the above problem, it was determined by plant management that a complete review of the temporary modification should be performed. This review was performed on July 15 and 16 and determined that additional problems existed with the modification. The temporary modification, as installed, did not have a Control room alarm or indication when the detection system was not in the operate mode [all other required alarms including Alert and High Radiation Levels were installed and operable]. Also, the calibration of the detectors, installed as part of the temporary modification, did not include a verification that the alarm setpoint was set at the right point. Finally, the detectors had not been installed in the exact same geometry as the previous installed detectors. Based on this information the following actions were immediately taken: 1) a dedicated technician was stationed in the vicinity of the detectors to prevent anyone from placing the instrument in the off position and to inform the Control Room if the instruments were turned off, 2) the detectors were declared inoperable and the action statements of Technical Specification 3.3.7.11 were entered. The Technical Specification requires these detectors to be operable whenever the Main Condenser Steam Jet Air Ejectors are operating. To be conservative, the entry into the action statement was determined to be the time when the Reactor Mode Switch was placed in the Startup position [July 15 at 0216]. The action statement permits continued operation for 72 hours, provided that the Offgas system is not bypassed and the Offgas Delay Treatment system effluent activity monitor is operable. Since both of these requirements were met, the plant continued to operate until the detectors were modified and tested on July 17, 1985. A revision to the temporary modification was implemented on July 17 1985; 1) to install the alarm function in the Control Room, 2) to restore the detectors to the proper geometry and 3) to perform a calibration, functional and source test of the installed detectors. The installation and testing was completed by 2350 on July 17, which cleared the Limiting Condition for Operation [LCO]. The detectors were declared operable at this time.

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Shoreham Nuclear Power Station Unit #1	0500032285	—	025	—	00	03	OF 03

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

A review of plant operations since the temporary modification was installed was performed. It was determined that from July 6, 1985 to July 13, 1985, the plant was in Operational condition 2 with the Steam Jet Air Ejectors operating on Auxiliary Boiler (clean) steam. During this period the plant was operating at or below 150 psig and below 2% power while performing initial startup testing on the RCIC and HPCI systems. The other monitors in the flow path (Main Steam Radiation monitors, Offgas Effluent monitors, or Stack monitors) were determined to be operable and did not detect any abnormal radiological effluents during this period, and two samples taken of the SJAE effluent on July 8, and 11 indicated normal results for the power history of the plant. Therefore, it is felt that no safety significance existed for operating during this time.

As a result of the problems found in this temporary modification, a review of all other existing temporary modifications was performed. This review resulted in no additional problems with temporary modifications.

To prevent recurrence, the Temporary Modification procedure will be revised to include a detailed checklist for documenting the reviews of the temporary modification packages, and will be revised to require an Engineering review of any temporary modification to a system which would effect a Technical Specification Limiting Condition for Operation.



LONG ISLAND LIGHTING COMPANY

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TEL. (516) 929-8300

August 9, 1985

PM 85-146

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

Dear Sir:

In accordance with CFR50.73, enclosed is a copy of Shoreham Nuclear Power Station Unit 1's License Event Report 85-025.

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

SR.A21.0200

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