

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Pilgrim Nuclear Power Station - Unit No. 1 DOCKET NUMBER (2) 0 5 0 0 0 2 9 3 1 OF 0 2 PAGE (3)

TITLE (4) Standby Liquid Control System Inoperable

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 1	0 1	8 5	8 5	0 0 1	0 0 0	0 1	3 0	8 5			0 5 0 0 0
<p>THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)</p>											

OPERATING MODE (9) N	20.402(b)	20.406(a)(1)(i)	20.406(a)(1)(ii)	20.406(a)(1)(iii)	20.406(a)(1)(iv)	20.406(a)(1)(v)	20.406(a)(1)(vi)	20.406(a)(1)(vii)	20.406(a)(1)(viii)	20.406(a)(1)(ix)	20.406(a)(1)(x)	73.71(b)	73.71(e)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
POWER LEVEL (10) 0 2 2														

LICENSEE CONTACT FOR THIS LER (12) NAME Paul J. Hamilton - Senior Plant Engineer TELEPHONE NUMBER 6 1 7 7 4 6 - 7 9 0 0 AREA CODE

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	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS
X	B,R	R,V	C 7 1 0	Y										

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 1/1/85, a reactor shutdown was completed due to an inoperable Standby Liquid Control System (SLCS). Cause of the inoperable system was debris in the SLCS storage tank and test tank. Corrective action was to clean and/or flush the SLCS components and systems. In addition, the cover for the test tank was reinstalled with locking mechanisms and the cover for the main tank bolted in place.

This event did not impact the health and safety of the public.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Pilgrim Nuclear Power Station - Unit No. 1	DOCKET NUMBER (2) 0 5 0 0 0 2 9 3 8 5	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 5	- 0 0 1	- 0 0	0 2	OF 0 2

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

On 1/1/85, during post-refuel startup testing, the Standby Liquid Control System (SLCS) was declared inoperable. The reactor, which was at approximately 22% power, was brought to the cold shutdown condition in accordance with the requirements of Technical Specification (T.S.) Section 3.4.D.

The problem was discovered when the "A" SLCS relief valve lifted low (approximately 600 psi vs. a 1425 psi setpoint) during normal surveillance testing of the SLCS. The redundant "B" SLCS was then tested and, although the "B" train met T.S. flow requirements, it was declared inoperable when debris was observed to be floating in both the main and test SLCS tanks.

Corrective action was to drain, clean, and inspect both tanks. The "A" relief valve which had lifted low during the surveillance was bench tested several times and lifted at the required setpoint. Cause of "A" relief valve lifting low is unknown.

The "B" relief valve which had lifted within specification but lower than its setpoint was found with pieces of rubber glove between the blowdown adjusting orifice and plunger. The pieces of glove were removed and the valve reassembled. Various check valves were inspected for blockage and none was found. In addition to these visual inspections of some components' internals, the SLCS was air-blown and/or flushed in sub-sections in order to verify that the debris had been cleared from the process system. The SLCS surveillance was successfully completed on 1/5/85.

An investigation was initiated to determine why the debris, which included rubber gloves and masking tape, was in the tanks. The investigation found that both the test tank cover and the main tank manway were open at certain times during the recently completed recirculation pipe replacement and refuel outage. It is postulated that some time during the outage, the debris either fell or was thrown into the tanks.

Long-term corrective action was to reinstall the test tank cover with locking mechanisms and bolt the manway cover to the top of the main tank.

This event did not impact the health and safety of the public. A search of records indicates that this was an isolated event.

BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199

WILLIAM D. HARRINGTON
SENIOR VICE PRESIDENT
NUCLEAR

January 30, 1985
BECo Ltr. #85- 021

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

Docket Number 50-293
License DPR-35

Dear Sir:

The attached Licensee Event Report 85-001-00, "Standby Liquid Control System Inoperable," is hereby submitted in accordance with the requirements of 10CFR50.73.

If there are any questions on this subject, please do not hesitate to contact me.

Respectfully submitted,

W.D. Harrington

W. D. Harrington

PH:caw

Enclosure: LER 85-001-00

cc: Dr. Thomas E. Murley
Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
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King of Prussia, PA 19406

Standard BECo LER Distribution

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