NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

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

TITLE (4) HPCI 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 8	2 7	8 5	8 5	— 0 2 3	— 0 0	0 9	2 5	8 5		0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (9)	N	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)			
POWER LEVEL (10)	1 0 0	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
		20.405(a)(1)(i)	50.36(c)(1)	X 50.73(a)(2)(v)	73.71(c)
		20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
		20.405(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
		20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	
		20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Gregory Belmonte - Plant Engineer	AREA CODE 6 1 7 — 7 4 6 - 7 9 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	
A	B J	V	T 1 4 7	Y							

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	X NO				

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

On 8/27/85, at approximately 0400 hrs., while performing the HPCI pump operability flow rate test, the HPCI turbine control valve failed to operate properly. Immediate corrective action was to declare the HPCI system inoperable and to proceed with surveillance testing required for an inoperable HPCI system. An investigation revealed that a nipple in the oil supply line to the HPCI hydraulic control valve was leaking.

The probable cause of the leaking nipple was due to personnel inadvertently stepping on the oil line going to the HPCI turbine hydraulic control valve.

The corrective action was to repair the leaking nipple. Also, LER 85-023 will be distributed to Station Chiefs that are in charge of work activities in the HPCI area. The HPCI system was tested and declared operable on 8/28/85 at 1800 hrs.

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Pilgrim Nuclear Power Station Unit No. 1	0 5 0 0 0 2 9 3	8 5	— 0 2 3	— 0 0	0 2 OF 0 2

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

On 8/27/85, at approximately 0400 hrs., while performing the monthly HPCI pump operability flow rate test (Ref.: 8.5.4.1), the HPCI turbine control valve failed to operate properly. Immediate corrective action was to declare the HPCI system (EIIS Code BJ) inoperable and to proceed with surveillance testing required for an inoperable HPCI system. An investigation revealed that a 1/2 x 3/8 inch nipple in the oil supply line to the HPCI turbine hydraulic control valve (EIIS Code V) was leaking. The HPCI system was previously tested successfully on 8/1/85. Reactor power was 100% at the time of discovery.

The most probable cause of the leaking nipple was due to personnel inadvertently stepping on the HPCI turbine hydraulic control valve oil line. A review of the event could not identify the person(s) responsible for the event. Therefore, the contributing factors, type of personnel error, and the characteristics of the work location could not be determined.

The corrective action was to repair the leaking nipple on 8/27/85 at approximately 1800 hrs. Also, LER 85-023 will be distributed to Station Chiefs that are in charge of work activities in the HPCI area. The HPCI system was tested and declared operable on 8/28/85 at 1800 hrs.

Redundant systems that were operable included Core Spray, LPCI, ADS, and RCIC.

A search of our records indicates no previous LER's of a similar nature have been submitted. This event did not impact the health and safety of the public.

BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199

WILLIAM D. HARRINGTON
SENIOR VICE PRESIDENT
NUCLEAR

September 25, 1985
BECo Ltr. #85-173

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 85-023-00, "HPCI 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

GGB:caw

Enclosure: LER 85-023-00

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

Standard BECo LER Distribution

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