

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 CF 0 2

PAGE (3)

TITLE (4)

Rx Vessel Drain Line Leak

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	2	1	5	8	5	0	0	4	0	0	0	3	1	5	8	5	0	5	0	0	0

OPERATING MODE (9)

N

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)

20.402(b)	20.403(c)	50.73(a)(2)(iv)	73.71(b)
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)	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)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Paul J. Hamilton - Sr. Plant Engineer	5 1 1 7 7 1 4 1 6 - 1 7 1 9 1 0 1 0

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC
B	C	E	P	S	P	B	I	3	0
				N					

SUPPLEMENTAL REPORT EXPECTED (14)

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

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

On 2/15/85, a reactor shutdown was completed as the result of a small leak in a socket weld between an isolation valve and pipe spool piece of the 2" reactor drain line. The most probable cause of the leak is a porous weld.

Corrective action was to replace the spool piece including the weld. The unit was returned to service on 2/18/85.

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

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1) Pilgrim Nuclear Power Station - Unit No. 1	DOCKET NUMBER (2) 0 5 0 0 0 2 9 3	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		85	0104	00	02	OF	02

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

On 2/15/85, during a drywell inspection routinely performed coincident with startup, a leak, the size of two small pinholes, was found in a weld of the reactor vessel bottom drain line. The leak was located in the socket weld between drain isolation valve H0-65 and a downstream pipe spool piece. Reactor pressure was approximately 400# and the mode switch was in "Startup" when the leak was identified. As a result of the leak, a plant shutdown was completed to effect repairs.

A previous drywell inspection on 2/9/85 did not identify any weld leak in the area of H0-65. That inspection was made with the reactor at approximately 600#, while bringing the unit down for maintenance. This supports the fact that the leak probably occurred between 2/9/85 and 2/15/85.

The spool piece, approximately 10" in length, was cut from the drain line, replaced with a new spool piece, welded in place, and hydrostatically tested. Test results were satisfactory, and, on 2/17/85, the system was declared operable. Replacement of the spool piece was performed in accordance with Station procedures (Ref.: TM 85-12).

The most probable cause of the event is a porous weld. This is based on the visual observation of the two pinhole sized leaks.

A search of records indicates no previous events of a similar nature.

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

March 15, 1985
BECO Ltr. #85-056

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 85-004-00, "Rx Vessel Drain Line Leak," 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 85-004-00

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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