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)
Degraded Fire Barrier Penetration Seals

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 5	1 5	8 4	8 4	— 0 0 7	— 0 0	0 6	1 5	8 4		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)	0 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)	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)	X 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
Paul J. Hamilton - 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	
X	N G	S E A L	X X X X	N							

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
X YES (If yes, complete EXPECTED SUBMISSION DATE)	NO		0 9	0 3	8 4

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

On 5/15/84, while shut down for refueling and during a once/cycle fire barrier penetration seal surveillance test, a breach of a 3-hour fire barrier was identified. A continuous fire patrol was established in accordance with the requirements of Technical Specification Section 3.12.F, and a Maintenance Request was initiated to repair the seal.

A total of 38 penetration seals which did not meet the surveillance test acceptance criteria were identified. A continuous fire patrol was established for each of the affected areas.

Maintenance Requests have been initiated to repair each of the seals. This event did not impact the health and safety of the public.

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Pilgrim Nuclear Power Station - Unit 1	0 5 0 0 0 2 9 3	8 4	— 0 0 7	— 0 0	0 2 OF 0 2

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

On 5/15/84, while shut down for refueling and during the once/cycle fire barrier penetration seal surveillance test, a breach of a 3-hour fire wall was identified. The breach consisted of a 3/4" open-ended pipe located through a 3-hour fire wall which separates the auxiliary boiler room and the demineralized water treatment area. A continuous fire patrol was established in accordance with the requirements of Technical Specification Section 3.12.F.

The surveillance test, which was completed on 5/30/84, identified 23 inadequate seals, 14 seals that were not in place, and 1 degraded seal. Inadequate seals included missing flame retardant coating, damming material, and cover plates. A continuous fire patrol was established for each of the affected areas where the seals were located which included the Cable Spreading Room (13 seals), Emergency Diesel Area (11 seals), Reactor Building el. 23' (7 seals), Turbine Building Trucklock (4 seals), 4160 KV Room (1 seal), Boiler Room/Water Treatment Area (1 seal), and the Computer Room (1 seal). A total of approximately 4,200 seals were inspected.

The cause of the inadequate penetrations is being investigated. An update report will be submitted when this investigation is complete.

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

June 15, 1984

BECo Ltr. #84-084

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

Docket No. 50-293
License No. DPR-35

Dear Sir:

The attached Licensee Event Report 84-007-00, "Degraded Fire Barrier Penetration Seals," 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

PH:caw

Enclosure: LER 84-007-00

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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