

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)  
Pilgrim Nuclear Power Station - Unit #1DOCKET NUMBER (2)  
0 5 0 0 0 2 9 3 1 OF 0 2TITLE (4)  
Unplanned Actuation of Engineered Safeguards Feature (Reactor Protection System)

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	9	2	8	8	4	0	1	4	0	0	0
0	9	2	8	8	4	0	1	4	0	0	0

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)									
POWER LEVEL (10) 0 0 0	N	20.402(b)	20.405(a)	X	50.73(a)(2)(iv)	73.71(b)					
		20.405(a)(1)(i)	50.38(a)(1)		50.73(a)(2)(v)	73.71(c)					
		20.405(a)(1)(ii)	50.38(a)(2)		50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 365A)					
		20.405(a)(1)(iii)	50.73(a)(2)(ii)		50.73(a)(2)(viii)(A)						
		20.405(a)(1)(iv)	50.73(a)(2)(iii)		50.73(a)(2)(viii)(B)						
		20.405(a)(1)(v)	50.73(a)(2)(iii)		50.73(a)(2)(ix)						

## LICENSEE CONTACT FOR THIS LER (12)

NAME  
Richard M. Schifone - Plant EngineerTELEPHONE NUMBER  
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	MANUFAC- Turer	REPORTABLE TO NPDs	CAUSE	SYSTEM	COMPONENT	MANUFAC- Turer	REPORTABLE TO NPDs
D	E	D	Z	Z	Z	Z	N		

## SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)  
☒ NOEXPECTED SUBMISSION DATE (15)  
MONTH DAY YEAR

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

On 9/28/84, while shut down for refueling, a reactor scram signal was generated through the Reactor Protection System. The signal was initiated when 480V Bus B-4 was deenergized by Maintenance electricians. The deenergizing occurred as a result of an attempt to cross-tie Bus B-4 with 480V Bus B-2 without defeating the interlock trip mechanisms.

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

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1)  Pilgrim Nuclear Power Station - Unit 1	DOCKET NUMBER (2)  0 5 0 0 0 2 9 3 8 4	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		0	1	4	0	0	2 OF 0 2

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

On 9/28/84, while shut down for refueling with the reactor vessel defueled, an unplanned reactor scram signal was generated through the Reactor Protection System (RPS). Prior to the initiation, maintenance was being performed on the Scram Discharge Volume (SDV), which resulted in SDV level trips being present in the RPS. A reactor scram signal was received when 480V Bus B-4 was deenergized.

The deenergizing occurred while Maintenance electricians were attempting to remove from service the feeder breaker to 480V Bus B-4. This bus was to remain energized by cross-tying it with emergency Bus B-2. The attempt was made without defeating the interlock trip mechanism. As a result, the feeder breaker (52-401) and the crosstie breaker (52-410) both opened and deenergized Bus B-4. The loss of power to Bus B-4 removed power from the "B" RPS Motor Generator Set which, when coupled with the SDV trips, completed the RPS logic for a full reactor scram signal.

The cause of the event has been determined to be a procedural inadequacy. To preclude recurrence of similar events, a new procedure is being drafted which will provide additional guidance for cross-tying buses.

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

October 26, 1984

BECo Ltr. #84-183

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 84-014-00, "Unplanned Actuation of Engineered Safeguards Feature (Reactor Protection System)," 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

RS:caw

Enclosure: LER 84-014-00

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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