

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
Pilgrim Nuclear Power Station - Unit No. 1DOCKET NUMBER (2)
0 5 0 0 0 2 9 3 1 OF 2TITLE (4)
Main Steam Line Monitors "B" and "C" Outside Technical Specification Limits

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	1	4	8	5	8	5	0	2	1	0	5	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)
N	20.402(b)
POWER LEVEL (10)	20.406(a)(1)(i)
1	20.406(a)(1)(ii)
0	20.406(a)(1)(iii)
0	20.406(a)(1)(iv)
	20.406(a)(1)(v)
	20.406(c)
	80.73(a)(2)(iv)
	80.73(a)(2)(v)
	80.73(a)(2)(vi)
	80.73(a)(2)(vii)(A)
	80.73(a)(2)(vii)(B)
	80.73(a)(2)(viii)
	73.71(b)
	73.71(e)
	OTHER (Specify in Abstract below and in Text, NRC Form 306A)

LICENSEE CONTACT FOR THIS LER (12)
NAME
Gregory Belmonte - Plant Engineer
TELEPHONE 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	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC
A	J	C	R	I	G	0	8	10	Y

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

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

On 8/14/85, a review of the chemistry daily log revealed that two of the four main steam line radiation monitors had trip setpoints greater than Technical Specification (T.S.) requirements. The review showed that Radiation Monitor 1705-2B was greater than T.S. limits from 8/9/85 to 8/12/85. The review also showed that Monitor 1705-2C was greater than T.S. limits from 8/10/85 to 8/13/85. Reactor power was 100% at the time of discovery.

Cause was due to non-licensed utility personnel error. The error occurred due to the lack of a procedure.

Corrective action was to adjust the setpoints within T.S. limits and, in addition, a note was added to the chemistry daily log requiring that when readings decrease more than 125 mr/hr. below posted background, the Chemical Engineer shall be notified. Personnel involved were instructed in the new requirement. Long-term corrective action will be to develop a procedure that will include an appropriate acceptance criteria and action statement to be taken if readings are found outside acceptable limits. Engineering is evaluating the replacement of the monitors under the NUMAC replacement project.

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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 8 5 - 0 2 1 - 0 0	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
					0 2	OF	0 2

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

On 8/14/85, a review of the chemistry daily log revealed that between 8/9/85 to 8/12/85, Main Steam Line Radiation Monitor (LRM) "B" experienced a 40% decrease from normal background radiation readings and between 8/10/85 to 8/13/85, LRM "C" experienced a 35% decrease from normal background radiation readings. The decrease in indicated background radiation resulted in the "B" high radiation setpoint being up to 8.6 times indicated background and the "C" setpoint being up to 10.4 times background. This condition is contrary to T.S. Table 3.1.1 which requires the trip setpoints to be less than or equal to 7.0 times normal full power background. Reactor power was 100% at the time of discovery. The EIIS system and component codes are JC and RI respectively.

Cause was due to non-licensed utility personnel error. The error occurred because there was no procedure in place requiring appropriate action to be taken when the daily background readings were found to be outside acceptable limits.

Corrective action was to adjust the setpoints within T.S. limits and, in addition, a note was added to the background radiation daily log sheet requiring that when LRM readings decrease more than 125 mr/hr. below posted background, the Chemical Engineer shall be notified. Personnel involved were instructed in the new requirement. Long-term corrective action will be to develop a procedure that will include an appropriate acceptance criteria and action statement to be taken if LRM readings are found outside of acceptable limits.

The LRM's contain heat and light sensitive tubes which, when removed during the calibration process, caused the background radiation reading of the LRM's to drift. Engineering is evaluating the replacement of the monitors under the NUMAC replacement project.

A search of our records indicates no previous LER's of a similar nature have been submitted.

BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199

WILLIAM D. HARRINGTON
SENIOR VICE PRESIDENT
NUCLEAR

September 13, 1985
BECO Ltr. #85-166

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Washington, D.C. 20555

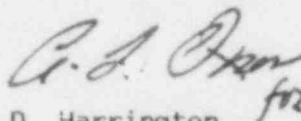
Docket Number 50-293
License DPR-35

Dear Sir:

The attached Licensee Event Report 85-021-00, "Main Steam Line Monitors 'B' and 'C' Outside Technical Specification Limits," 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

GB:caw

Enclosure: LER 85-021-00

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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