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)
Unplanned Reactor Scram on Low Water Level Due to Operator Error

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 1	0 6	8 6	8 6	0 0 1	0 0	0 2	0 4	8 6		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 1 0	20.402(b)	20.405(c)	X 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)	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 - Sr. 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	

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 1/6/86, an unplanned reactor scram occurred during plant startup. The scram was the result of a low reactor water level which was being controlled manually when the event occurred.

Cause of the event was due to licensed operator error. The error occurred when the operator did not take the prompt action required to restore level.

Corrective action was to counsel personnel and submit a request to engineering to evaluate the feasibility of modifying the level control system.

A previous event is discussed in LER 85-014.

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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 6	— 0 0 1	— 0 0	0 2 OF 0 2

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

On 1/6/86 at 1959 hours an unplanned reactor scram occurred from approximately 10% power during plant startup. The scram was the result of a low reactor water level which was being controlled manually at the time of the event. When the scram occurred, the turbine was off line, reactor pressure was approximately 930 psig and the mode switch was in the "run" position.

Cause of this event was utility licensed operator error. The error occurred just prior to placing the feedwater regulating valves in service. At the time of the event, power level was approximately 10% steady state, water level being controlled with the startup regulating valve, and the water level was decreasing. The scram occurred when the operator did not open the downstream block valves and place a feedwater regulating valve in service in the prompt manner necessary to restore level. During the event water level was fluctuating as it normally does when at reduced steaming rates.

Corrective action was to counsel Operations personnel with regard to the event. Planned long term corrective action is to consider modifying the startup feedwater regulating system for automatic operation (Ref. ESR 86-013). In addition, a new plant specific simulator is currently under construction and when completed is expected to contribute to reducing the possibility of a similar occurrence.

There were no equipment failures associated with this event and the scram sequence was normal. On 1/7/86, at 1027 hours the generator was synchronized to the grid.

A previous scram that occurred while manually controlling water level is discussed in LER 85-014.

BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199

WILLIAM D. HARRINGTON
SENIOR VICE PRESIDENT
NUCLEAR

February 4 , 1986
BECo Ltr. #86- 010

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

Docket Number
License No. DPR-35

Dear Sir:

The attached Licensee Event Report 86-001-00, "Unplanned Reactor Scram on Low Water Level Due to Operator Error", 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,

WD Harrington

W. D. Harrington

PJH/keo

Enclosure: LER 86-001-00

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

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