(7-77)

LICENSEE EVENT REPORT

CONTROL BLOCK: [| | | | |] (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | M A P P S 1 (2) | 0 0 - 0 0 0 0 0 - 0 0 (3) | 4 1 1 1 1 (4) | | | (5)

LICENSEE CODE (9–14) · LICENSE NUMBER (15–25) · LICENSE TYPE (26–30) · CAT (57–58)

CON'T

0 1 | REPORT SOURCE L (6) | 0 5 0 - 0 2 9 3 (7) | 0 8 0 1 8 2 (8) | 0 8 1 3 8 2 (9)

DOCKET NUMBER (61–68) · EVENT DATE (69–74) · REPORT DATE (75–80)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 On August 1, 1982, at 0145, during power ascension following a scheduled power re-
0 3 duction, the speed of the "A" Recirculation Pump went greater than 15% above the
0 4 speed of "B" Recirculation Pump (below 80% reactor power) speed mismatch between
0 5 pumps allowed by T.S. Section 3.6.F.
0 6
0 7
0 8

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
0 9	C B (11)	E (12)	B (13)	M E C F U N (14)	Z (15)	Z (16)

(17) LER/RO REPORT NUMBER

EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
8 2	—	0 2 2	/	0 3	L	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
A (18)	G (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	N (25)	B 0 4 5 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The cause of this event was a broken timing belt on "A" Recirculation Pump scoop
1 1 tube positioner. The Recirculation Pump speed mismatch was corrected to acceptable
1 2 T.S. limits by local manual control of the positioner within 20 minutes. The belt
1 3 was replaced on August 4, 1982 and manual control returned to remote operation in
1 4 the Control Room.

	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
1 5	F (28)	0 7 5 (29)	NA	A (31)	Operator Observation

	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
1 6	Z (33)	Z (34)	NA	NA

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION (39)
1 7	0 0 0 (37)	Z (38)	NA

PERSONNEL INJURIES

	NUMBER	DESCRIPTION (41)
1 8	0 0 0 (40)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

	TYPE	DESCRIPTION
1 9	Z (42)	NA

8209130190 820813
PDR ADOCK 05000293
S PDR

PUBLICITY

	ISSUED	DESCRIPTION (45)		NRC USE ONLY
2 0	N (44)		A	

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BOSTON EDISON COMPANY
PILGRIM NUCLEAR POWER STATION
DOCKET NO. 50-293

Attachment to LER 82-022/03L-0

On August 1, 1982, reactor power was being increased following a scheduled power reduction for backwash. At 0145, the operators noticed the "A" Recirculation Pump flow had become greater than "B" recirculation flow. Immediate corrective action was taken by instituting "off normal" procedure #2.4.20 "Reactor Recirc. System Speed on Flow Control System Malfunction". The speed mismatch was brought under control and within the Technical Specification allowable limits of 15% (below 80% reactor power) in approximately twenty (20) minutes.

When the speeds had been brought within the limits set by the procedure (10%) an investigation disclosed that the timing belt in the scoop tube positioner had broken allowing the pump to increase it's speed to the highest allowed by a mechanical stop placed on the positioner. This speed has been calculated to be 97% of design.

The timing belt was subsequently replaced on 8/4/82 and local manual control returned to remote operation from the Control Room.

A Prompt Report was initially issued when it was thought that a limiting condition of operation had been exceeded without proper action. Investigation has determined that, by following the procedure 2.4.20, the operators were reducing power, which is the first step in causing a controlled reactor shutdown. The procedure also specifically refers to the Technical Specification Section 3.6.F for allowable pump speeds.

For long term corrective actions to preclude a recurrence, a procedure change to 2.4.20 is being prepared to incorporate the actions specified in 10CFR50.36 and to clarify the point at which such actions would be required.