

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

CON'T

0	1
7	8

REPORT SOURCE

L	6	0	5	0	-	0	2	9	3	7	0	7	0	6	8	1	8	0	7	2	0	8	1	9
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85

DOCKET NUMBER

EVENT DATE

REPORT DATE

0 2 | On July 6, 1981 at 1630 hours, while conducting a start-up from a forced outage,
0 3 | PNPS was informed by offsite Boston Edison support personnel that the SBGTS System
0 4 | could not be conclusively demonstrated to remain operable during the course of a
0 5 | design basis LOCA. A controlled shutdown was initiated and modifications effected
0 6 | to ensure operability. Modifications were completed and startup commenced at 1944
0 7 | hours on 7/7/81. (See Attachment)

08		9		90	
SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE	
S E 11		X 12		X 13	
COMP. SUBCODE		VALVE SUBCODE		COMPONENT CODE	
Z 15		Z 16		X X X X X X 14	
LER RO REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO.	
17		8 1 21		0 2 6 24	
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT	
X 18		Z 19		A 20	
SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED	
A 21		0 0 2 7 37		Y 23	
NPRO-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER	
N 24		Z 25		Z 9 9 9 26	
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)					

1	0	Cause - Inadequate documentation to demonstrate continued operability during design
1	1	basis LOCA. Action was taken to provide verification of equipment qualification.
1	2	(See Attachment)

1	3	
1	4	

FACILITY STATUS (1) 5 (C) (28) % POWER (0) 1 (0) (29) OTHER STATUS (30) N.A. METHOD OF DISCOVERY (A) (31) Engineering Analysis DISCOVERY DESCRIPTION (32)
 ACTIVITY CONTENT RELEASED OF RELEASE (1) 6 (Z) (33) (Z) (34) AMOUNT OF ACTIVITY (35) N.A. LOCATION OF RELEASE (36) N.A.

PERSONNEL EXPOSURES										
NUMBER			TYPE	DESCRIPTION						
1	7	0	0	0	(37)	Z	(38)	N.A.		

PERSONNEL INJURIES		NUMBER		DESCRIPTION	
1	3	0	0	0	40
N.A.					

[illegible]

ISSUED DESCRIPTION (45) N.A. NRC USE ONLY

NRC USE ONLY

8107280169 810720
PDR ADOCK 05000293
S PDR

T. McLoughlin

PHONE: 617-746-7900

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

Attachment to LER 81-026/01T-0

Event Description and Probable Consequences

As a result of engineering analyses conducted in the course of design verification of the operability of the Primary Containment Purge and Vent System, certain components of the Standby Gas Treatment system were identified as having insufficient supporting documents to conclusively demonstrate that they would properly and continuously operate following a design basis LOCA. Qualification documentation was not considered adequate for the following components:

1. Blower drive belts
2. Temperature cutoff switch
3. Bearing grease
4. Control Power Transformers

Cause Description and Corrective Actions

Evaluation of systems with the application of 10 CFR 50.44 Criteria identified an inability to produce verified documentation to conclusively demonstrate continued operability of components for the duration of a design basis loss of coolant accident. The following specific action was taken:

1. Blower drive belts

The belts were deemed qualified after a combined review by the Mechanical Group and the Environmental & Radiological Health and Safety Group of the belt composition and expected environment. A safety evaluation was performed by the Systems and Safety Analysis Group.

2. SBGTS Fan Lubrication

The lubrication in the fan was removed and replaced with grease for which qualification documentation was readily available.

3. High Temperature Cutout Switch

The high temperature cutout switch was deemed qualified after a review of the materials used in fabrication. A safety analysis was performed by the Systems and Safety Analysis Group.

4. Control Power Transformer for SBGTS Heaters

The control transformers were qualified by establishing the seismic qualification of the cabinet. Radiation qualification was based on verification of component material qualification and documented literature on the generic performance of similar designs in severe radiation environments.