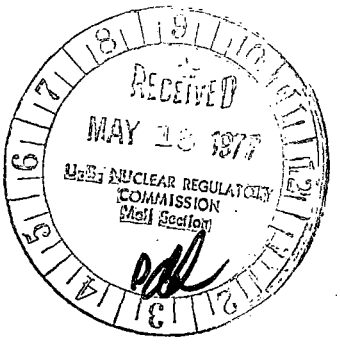
Frederick W. Schneider
Vice President
Production

Public Service Electric and Gas Company 80 Park Place Newark, N.J. 07101 201/622-7000

May 10, 1977

REGULATORY DOCKET FILE COPY



Mr. James P. O'Reilly
Director of USNRC
Office of Inspections and Enforcements
Region 1
631 Park Avenue
King of Prussia, Pennyslvania 19406

Dear Mr. O'Reilly:

LICENSE NO. DPR-70
DOCKET NO. 50-272
REPORTABLE OCCURRENCE 77-23/3L

Pursuant to the requirements of Salem Generating Station Unit No. 1 Technical Specifications, Section 6.9.1, we are submitting Licensee Event Report for Reportable Occurrence 77-23/3L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

F. W. Schneider

RSS:
CC: Director, Office of Inspection and Enforcement (30 copies)
Director, Office of Management Information and Program Control (3 copies)
Manager - Nuclear Operations
Manager - Salem Gen. Station
Manager - Quality Assurance
Station QA Engineer

771360130

Report Number: 77-23/3L

Report Date: 4/14/77

Occurrence Date: 4/12/77

Facility: Salem Generating Station
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Inoperable Boron Injection Tank

CONDITIONS PRIOR TO OCCURRENCE:

Unit in Mode 3, recovering from Reactor Trip/Safety Injection.

DESCRIPTION OF OCCURRENCE:

Following a Reactor Trip/Safety Injection, the Boron Injection Tank was declared inoperable due to the Boron concentration being below the minimum concentration allowed by the Technical Specifications, LCO 3.5.4.1.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Loss of Boron Concentration was caused by a High Steam line flow coincident with low Tave Safety Injection.

ANALYSIS OF OCCURRENCE:

The Boron Injection Tank was returned to an operable status within the time allowed by Technical Specifications. At no time was there any danger to the general public or site personnel.

CORRECTIVE ACTION:

Emergency Instruction I-4.2 was implemented and the boron concentration in the Boron Injection Tank was returned to within the Technical Specification values. Boron samples confirmed operability.

FAILURE DATA:

Not applicable.

Prepared by T. L. Spencer

SORC Meeting No. 43-77

W. J. Hillegass
Manager - Salem Generating Station

LICENSEE EVENT REPORT

CONTROL BLOCK (1–6)

LICENSEE NAME (9–14)	LICENSE NUMBER (15–25)	LICENSE TYPE (26–30)	EVENT TYPE (31–32)
NJSGS1	00-00000-00	4 1 1 1 1	0 1

CATEGORY (57–58)	REPORT TYPE (59)	REPORT SOURCE (60)	DOCKET NUMBER (61–68)	EVENT DATE (69–74)	REPORT DATE (75–80)
P O	L	L	0 5 0 – 0 2 7 2	0 4 1 2 7 7	0 4 1 4 7 7

EVENT DESCRIPTION

During Mode 3, the BIT was declared inoperable due to Boron concentration being below the required Tech Spec value. The BIT is a passive component common to both ECCS subsystems, therefore, no redundant component was available. Boron concentration was re-established and the BIT declared inoperable. This is the 6th event of this type. (77-23/3L)

SYSTEM CODE (9–10)	CAUSE CODE (11)	COMPONENT CODE (12–17)	PRIME COMPONENT SUPPLIER (43)	COMPONENT MANUFACTURER (44–47)	VIOLATION (48)
S F	A	X X X X X X	Z	Z 9 9 9	N

CAUSE DESCRIPTION

The cause of this event was a Safety Injection that diluted the BIT boron concentration below that allowed by Technical Specifications.

FACILITY STATUS (9)	% POWER (10–12)	OTHER STATUS (13–44)	METHOD OF DISCOVERY (45)	DISCOVERY DESCRIPTION (46–80)
G	0 0 0	N/A	a	N/A

FORM OF ACTIVITY RELEASED (9)	CONTENT OF RELEASE (10)	AMOUNT OF ACTIVITY (11–44)	LOCATION OF RELEASE (45–80)
Z	Z	N/A	N/A

PERSONNEL EXPOSURES

NUMBER (9–11)	TYPE (12)	DESCRIPTION (13–80)
0 0 0	Z	N/A

PERSONNEL INJURIES

NUMBER (9–11)	DESCRIPTION (12–80)
0 0 0	N/A

OFFSITE CONSEQUENCES

N/A

LOSS OR DAMAGE TO FACILITY

TYPE (9)	DESCRIPTION (10–80)
Z	N/A

PUBLICITY

N/A

ADDITIONAL FACTORS

NAME: T. L. Spencer PHONE: (609) 365-7000 Ext. Salem- 528