

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CONTROL BLOCK:

CON'T

0	1
7	8

REPORT SOURCE

L	6	0	5	0	0	0	2	7	2	7	1	2	0	3	8	3	8	1	2	3	0	8	3	9
60	61	DOCKET NUMBER						68	69	EVENT DATE						74	75	REPORT DATE						80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | On December 3, 1983, while performing routine surveillance, Vital Heat Trace Channel

0 3 | 602B failed to draw greater than 0.5 amps as required. The channel was declared in-

0 4 | operable and Technical Specification Action Statement 3.5.4.2 was entered. The redundant

0 5 | channel remained operable throughout the occurrence. No undue risk to the health or

0 6 | safety of the public was involved. The event constituted operation in a degraded mode

0 7 | permitted by a limiting condition for operation and is reportable in accordance with

0 8 | Technical Specification 6.9.1.9.b.

SYSTEM CODE S F 11		CAUSE CODE X 12		CAUSE SUBCODE Z 13		COMPONENT CODE X X X X X X 14				COMP. SUBCODE Z 15		VALVE SUBCODE Z 16					
EVENT YEAR 8 3		SEQUENTIAL REPORT NO. 0 6 0		OCCURRENCE CODE 0 3		REPORT TYPE L		REVISION NO. 0									
ACTION TAKEN X 18		FUTURE ACTION Z 19		EFFECT ON PLANT Z 20		SHUTDOWN METHOD 4 21		HOURS 0 0 0 0 22		ATTACHMENT SUBMITTED Y 23		NPRD-4 FORM SUB. N 24		PRIME COMP. SUPPLIER A 25		COMPONENT MANUFACTURER Z 9 9 9 9 26	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Channel 602B terminal connections were exhibiting a high resistance. The terminals

1 1 were cleaned and tightened. The surveillance was performed with satisfactory results.

1 2 The channel was declared operable and Action Statement 3.5.4.2 was terminated at

1 3 1533 hours, December 3, 1983.

8 9
FACILITY STATUS (E) (28) % POWER (1) (0) (0) (29) OTHER STATUS (30) METHOD OF DISCOVERY (B) (31) DISCOVERY DESCRIPTION (32) Routine Surveillance
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)
(1) (6) (Z) (33) (Z) (34) N/A
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39)
(1) (7) (0) (0) (0) (37) (Z) (38) N/A
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
PERSONNEL INJURIES NUMBER DESCRIPTION (41)
(1) (8) (0) (0) (0) (40) N/A
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION (43)
(1) (9) (Z) (42) N/A
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
PUBLICITY ISSUED DESCRIPTION (45)
(2) (0) (N) (44) N/A
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
8401130256 831230
PDR ADOCK 05000272
S PDR
NRC USE ONLY

NAME OF PREPARER

J. L. Rupp

PHONE: (609) 339-4309



Public Service Electric and Gas Company P.O. Box E Hancocks Bridge, New Jersey 08038

Salem Generating Station

December 30, 1983

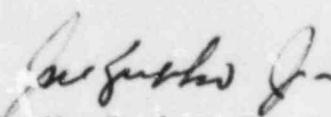
Dr. Thomas E. Murley
Regional Administrator
USNRC
Region 1
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Dr. Murley:

LICENSE NO. DPR-70
DOCKET NO. 50-272
REPORTABLE OCCURRENCE 83-060/03L

Pursuant to the requirements of Salem Generating Station Unit No. 1, Technical Specifications, Section 6.9.1.9.b, we are submitting Licensee Event Report for Reportable Occurrence 83-060/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,


J. M. Zupko, Jr.
General Manager -
Salem Operations

JR:k11 257

CC: Distribution

Report Number: 83-060/03L
Report Date: 12-30-83
Occurrence Date: 12-03-83
Facility: Salem Generating Station Unit 1
Public Service Electric & Gas Company
Hancock's Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Emergency Core Cooling System - Boron Injection Flow Path - Vital Heat Tracing - Point 602B - Inoperable

This report was initiated by Incident Report 83-221

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 100 % - Unit Load 1140 MWe

DESCRIPTION OF OCCURRENCE:

At 1030 hours, December 3, 1983, during routine power operation, while performing routine surveillance in accordance with procedure SP(0)4.5.4.2(A), Vital Heat Trace Point 602B failed to draw greater than 0.5 amps as required. Channel 602B was declared inoperable and Technical Specification Action Statement 3.5.4.2 was entered at this time.

APPARENT CAUSE OF OCCURRENCE:

Investigation revealed that the connections for Point 602B, located in the junction box, were exhibiting a high resistance.

ANALYSIS OF OCCURRENCE:

The operability of the boron injection system as part of the Emergency Core Cooling System (ECCS) ensures that sufficient negative reactivity is injected into the core to counteract any positive increase in reactivity caused by Reactor Coolant System (RCS) cooldown. The RCS cooldown can be caused by inadvertent depressurization, a loss-of-coolant accident or a steam line rupture. The operability of the redundant heat tracing channels associated with the boron injection system ensure that the solubility of the boron solution will be maintained above the solubility limit of 135° F at 21000 ppm boron.

Technical Specification 3.5.4.2 requires at least two independent channels of heat tracing to be operable for the boron injection tank and for the heat traced portions of the associated flow paths.

ANALYSIS OF OCCURRENCE: (cont'd)

Action Statement 3.5.4.2 states:

With only one channel of heat tracing on either the boron injection tank or on the heat traced portion of an associated flow path operable, operation may continue for up to 30 days provided the tank and flow path temperatures are verified to be greater than 145° F at least once per 8 hours; otherwise, be in hot shutdown within 12 hours.

As required by the action requirement, temperatures were monitored and logged; temperatures remained greater than 145° F. The redundant heat tracing channel (point 602A) remained operable throughout the occurrence. Point 602B was repaired and restored to operability within the time specified by the action requirement. No undue risk to the health or safety of the public was therefore involved due to this occurrence. Because the event constituted operation in a degraded mode permitted by a limiting condition for operation, the occurrence is reportable in accordance with Technical Specification 6.9.1.9.b.

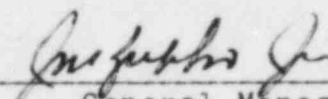
CORRECTIVE ACTION:

Point 602B connections were cleaned and tightened. Surveillance Procedure SP(0)4.5.4.2(A) was again performed, this time with satisfactory results. Point 602B drew 2.8 amps. The channel was declared operable and Technical Specification Action Statement 3.5.4.2 was terminated at 1533 hours, December 3, 1983. No other actions were deemed necessary.

FAILURE DATA:

Not Applicable

Prepared By J. Rupp


General Manager -
Salem Operations

SORC Meeting No. 83-154