



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

June 2, 1977

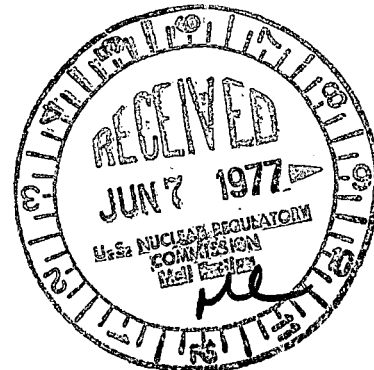
Regulatory

File Cy

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

Dear Mr. O'Reilly:

LICENSE NO. DPR-70
DOCKET NO. 50-272
REPORTABLE OCCURRENCE 77-37/03L



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 77-37/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

Frank P. Librizzi
General Manager -
Electric Production

CC Director, Office of Inspection
and Enforcement (30 copies)
Director, Office of Management
Information and Program Control
(3 copies)

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The Energy People

Report Number: 77-37/03L
Report Date: 5/18/77
Occurrence Date: 5/14/77
Facility Salem Generating Station
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Loss of Off Site Power Source (5023, 500kV Transmission Line)

CONDITIONS PRIOR TO OCCURRENCE:

Operational Mode 1, Reactor Power 90%

DESCRIPTION OF OCCURRENCE:

At 1444 hours, the 5023, 500kV transmission line tripped on protective relay actuation. The Shift Supervisor implemented Technical Specification Action Statement 3.8.1.1.a. Surveillance Test 4.8.1.1.1.a and 4.8.1.1.2.a.2 were performed with satisfactory results. The 5023 line was patrolled by helicopter and at 1640 hours, was re-energized. Action Statement 3.8.1.1.a was then terminated.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

A forest fire between towers 36/1 and 36/3 (36 miles from station) caused arcing to ground which actuated the protective relays. The line was isolated at the New Freedom switching station, as well as the Salem switchyard.

ANALYSIS OF OCCURRENCE:

Technical Specification 3.8.1.1.2 allows 72 hours to restore an inoperable off site transmission line, provided that the operability of the remaining AC power sources is demonstrated. Surveillance 4.8.1.1.1.a and 4.8.1.1.2.a.2 were performed with satisfactory results and the 5023 line was returned to service within the time allowed, therefore, the limiting condition for operation was not violated. At no time was there any danger to the health and safety of the general public or site personnel.

CORRECTIVE ACTION:

Personnel from the Transmission and Distribution Department patrolled the 5023 line by helicopter. Protective relays were reset and the line re-energized.

FAILURE DATA:

Not Applicable

Prepared by T. L. Spencer

SORC Meeting No. 54-77



Manager - Salem Generating Station

LICENSEE EVENT REPORT

CONTROL BLOCK																									
<div> <div>LICENSEE NAME</div> <div>LICENSE NUMBER</div> <div>LICENSE TYPE</div> <div>EVENT TYPE</div> </div>																									
01	N	J	S	G	S	1	0	0	1	0	0	0	0	0	0	1	1	1	1	0	1				
<div> <div>REPORT CATEGORY</div> <div>REPORT TYPE</div> <div>REPORT SOURCE</div> <div>DOCKET NUMBER</div> <div>EVENT DATE</div> <div>REPORT DATE</div> </div>																									
01	CONT	P	O	L	L	0	5	0	1	0	2	7	2	0	5	1	4	7	7	0	5	1	8	7	7
EVENT DESCRIPTION																									
02	During Mode 1 operation, the 5023, 500kV transmission line tripped due to																								
03	protective relay actuation. The 5024 line and three diesel generators																								
04	were operable throughout this event. 5023 was patrolled by helicopter and																								
05	re-energized. This is the second occurrence of this type (ref. 77-28/03L).																								
06	This event 77-37/03L.																								
<div> <div>SYSTEM CODE</div> <div>CAUSE CODE</div> <div>COMPONENT CODE</div> <div>PRIME COMPONENT SUPPLIER</div> <div>COMPONENT MANUFACTURER</div> <div>VIOLATION</div> </div>																									
07	E	A	C	X	X	X	X	X	X	Z	Z	9	9	9	N										
CAUSE DESCRIPTION																									
08	A forest fire between towers 36/1 and 36/3 caused arcing to ground actuating																								
09	the protective relays, tripping the line.																								
10																									
<div> <div>FACILITY STATUS</div> <div>% POWER</div> <div>OTHER STATUS</div> <div>METHOD OF DISCOVERY</div> <div>DISCOVERY DESCRIPTION</div> </div>																									
11	E	0	9	0	N/A	a	N/A																		
<div> <div>FORM OF ACTIVITY RELEASED</div> <div>CONTENT OF RELEASE</div> <div>AMOUNT OF ACTIVITY</div> <div>LOCATION OF RELEASE</div> </div>																									
12	Z	Z	N/A	N/A																					
PERSONNEL EXPOSURES																									
13	0	0	0	0	Z	N/A																			
PERSONNEL INJURIES																									
14	0	0	0	0	N/A																				
OFFSITE CONSEQUENCES																									
15	N/A																								
LOSS OR DAMAGE TO FACILITY																									
16	Z	N/A																							
PUBLICITY																									
17	N/A																								
ADDITIONAL FACTORS																									
18																									
19																									

NAME: T. L. Spencer PHONE: (609) 365-7000 Ext. Salem-52