

**Frederick W. Schneider**  
Vice President  
Production

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

February 15, 1977

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 77-06/3L

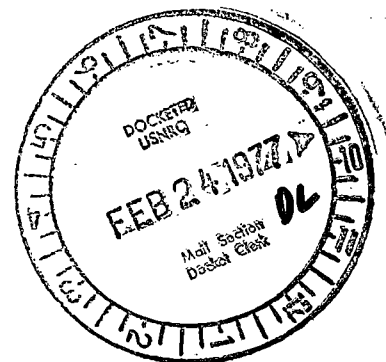
Pursuant to the requirements of Salem Generating Station Unit No. 1 Technical Specifications, Section 6.9.1, we are submitting Licensee Event Report for Reportable Occurrence 77-06/3L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

A handwritten signature in cursive script that reads "F. W. Schneider".

1911

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



Report Number: 77-06/3L  
Report Date: 1-20-77  
Occurrence Date: 1-20-77  
Facility: Salem Generating Station  
Public Service Electric & Gas Company  
Hancock's Bridge, New Jersey 08038

Regulatory Docket File

IDENTIFICATION OF OCCURRENCE:

Resolved w/ Lit. Dated 2-15-77

#12 Reactor Coolant Flow Channel 1 inoperable.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1

Reactor Power: 22%

Generator Load: 140 MWe

DESCRIPTION OF OCCURRENCE:

At 0732 the RMS channel R11A (Containment Air Particulate) alarmed. Channel R11A was reading approximately 3000 cpm verifying a valid alarm. The Shift Supervisor implemented the Radiation Incident procedure. No personnel were in the containment at the time of the occurrence. The Shift Supervisor and Health Physics personnel entered the containment and found steam leaking in the area around No. 12 SI Accumulator. Control Room personnel reported that No. 12 RC Flow Channel 1 was pegged high. Operation personnel found the leak to be coming from No. 12 RC Flow Device which was then isolated. RC Flow Channel 1 Bistable was placed in the tripped condition as required by Tech. Spec. Action Statement 7 for Table 3.3-1.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The apparent cause of this occurrence was improper installation of the "Swagelok" tube fitting during construction of the panel. The fitting apparently backed off causing the leak.

ANALYSIS OF OCCURRENCE:

There are three (3) channels of flow instrumentation installed in each loop of the reactor coolant system. Technical Specification Action Statement No. 7 for Table 3.3-1 allows Startup or Power Operation to continue with one channel inoperable until the performance of the next required channel function test, provided the failed channel is placed in the tripped condition. No. 12 RC Flow Channel 1 was placed in the tripped condition, 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:

The failed fitting was replaced from spares and tested. The test was satisfactory.

FAILURE DATA:

Manufacturer: Swagelok  
Size: 3/8 inch  
Material: 316 Stainless Steel

Prepared by T. L. Spencer

  
Manager - Salem Generating Station

SORC Meeting No. 13-77

# LICENSEE EVENT REPORT

CONTROL BLOCK

LICENSEE NAME: 01 NJSGSL LICENSE NUMBER: 00-000000-000 LICENSE TYPE: 411111 EVENT TYPE: 01

REPORT CATEGORY: 01 TYPE: P SOURCE: O DOCKET NUMBER: 050-0272 EVENT DATE: 0112077 REPORT DATE: 0112677

**EVENT DESCRIPTION**

02 During Mode I operation, No. 12 Reactor Coolant Flow Channel 1 became  
03 inoperable due to a tube fitting failure. Two (2) redundant flow  
04 channels were operable in No. 12 Coolant Loop. The tube fitting was  
05 replaced from spares and tested satisfactorily. This is the first  
06 occurrence of this type (77-06/3L).

SYSTEM CODE: IA CAUSE CODE: B COMPONENT CODE: INSTRU PRIME COMPONENT SUPPLIER: L COMPONENT MANUFACTURER: X999 VIOLATION: N

**CAUSE DESCRIPTION**

08 A "Swagelok" tube fitting backed off causing the leak. This event  
09 was apparently caused by improper installation during construction.  
10

FACILITY STATUS: E % POWER: 01212 OTHER STATUS: N/A METHOD OF DISCOVERY: a DISCOVERY DESCRIPTION: N/A

FORM OF ACTIVITY RELEASED: Z CONTENT OF RELEASE: Z AMOUNT OF ACTIVITY: N/A LOCATION OF RELEASE: N/A

**PERSONNEL EXPOSURES**

NUMBER: 000 TYPE: Z DESCRIPTION: N/A

**PERSONNEL INJURIES**

NUMBER: 000 DESCRIPTION: N/A

**OFFSITE CONSEQUENCES**

15 N/A

**LOSS OR DAMAGE TO FACILITY**

TYPE: Z DESCRIPTION: N/A

**PUBLICITY**

17 N/A

**ADDITIONAL FACTORS**

18 N/A

19

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