



Public Service Electric and Gas Company 80 Park Plaza Newark, N.J. 07101 Phone 201/430-7000

July 16, 1981

Mr. Boyce H. Grier  
Director of USNRC  
Office of Inspection and Enforcement  
Region 1  
631 Park Avenue  
King of Prussia, Pennsylvania 19406



Dear Mr. Grier:

LICENSE NO. DPR-70  
DOCKET NO. 50-272  
REPORTABLE OCCURRENCE 81-61/03L

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 81-61/03L. This report was telecopied to your office on July 16, 1981, which was within thirty (30) days of the occurrence as required.

Sincerely yours,

R. A. Uderitz  
General Manager -  
Nuclear Production

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

8107290082 810716  
PDR ADOCK 05000272  
S PDR

The Energy People

IE22  
5/11

Report Number: 81-61/03L  
Report Date: July 16, 1981  
Occurrence Date: 6-16-81  
Facility: Salem Generating Station, Unit 1  
Public Service Electric & Gas Company  
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Pressurizer Over Protection System - Channel 1 Inoperable.  
This report was initiated by Incident Report 81-194.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 5 - Rx Power 0% - 0 MWe

DESCRIPTION OF OCCURRENCE:

At 0815 hours, June 16, 1981, leakage through 1PR1 to the pressurizer relief tank (PRT) was indicated by a pressurizer relief valve high tailpipe temperature of approximately 220°F. The Pressurizer Over Protection System (POPS) channel 1 isolation valve, 1PR6 was closed to isolate the leakage to the PRT. Closure of 1PR6 blocked the pressure relief path for POPS channel 1 (1PR1) and the channel was declared inoperable and action statement 3.4.9.3.a was entered. Work order OD-941881 was issued for inspection and repair of 1PR1.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

1PR1 had developed an internal leakage path during normal operations.

ANALYSIS OF OCCURRENCE:

With one POPS inoperable, either restore the inoperable POPS to operable status within 7 days or depressurize and vent the RCS through a 3.14 square inch vent(s) within the next 8 hours, maintain the RCS in a vented condition until both POPS have been restored to operable status.

CORRECTIVE ACTION:

Disassembly and inspection of 1PR1 revealed steam cutting of the valve cage. The valve cage was replaced in kind by maintenance and 1PR1 was re-assembled, satisfactory functionally tested, and returned to normal service. At 1031 hours, June 18, 1981, POPS channel 1 was declared operable and action statement 3.4.9.3.a was terminated.

FAILURE DATA:

Copes vulcan valve, mark no. XA5.  
Cage part number 141703.

Prepared By J. J. Espey

J. J. Espey  
Manager - Salem Generating Station

SORC Meeting No. 81-63