PSE&G

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

June 19, 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 81-56/03L

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 81-56/03L. This report is required within thirty (30) days of the occurrence.

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)

IE22
S1/1

Report Number: 81-56/03L

Report Date: June 19, 1981

Occurrence Date: 5-21-81

Facility: Salem Generating Station, Unit 1 and 2
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Reactor Coolant System - Leakage Detection System - Loss of 1F and 1G Buses.

CONDITIONS PRIOR TO OCCURRENCE:

Unit 1 - Mode 1 - Rx Power 28% - Unit Load 300 MW
Unit 2 - Mode 2 - Rx Power 0 - Unit Load 0 MW

DESCRIPTION OF OCCURRENCE:

Action Statement 3.4.6.1b was entered at 0836 on May 21, 1981 when the No. 3 Unit Generator Breaker was manually closed while in the test position. The closure of this breaker in the test position caused the inadvertent breaker closure relay protection to trip the 1F and 1G 4KV buses. The loss of the 4KV buses resulted in the de-energization of the auxiliary alarm typewriters for Units 1 and 2 used to record containment sump pump start and stop times. This resulted in the Containment Sump Level Monitoring Systems being inoperable.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Design deficiency. Operation of the No. 3 Unit Generator Breaker for maintenanc testing while the breaker was in the test position caused the loss of power to the auxiliary alarm typewriters. The inadvertent breaker closure circuit for No. 3 Unit was designed to allow testing of the relay protection with the generator breaker in the test position.

ANALYSIS OF OCCURRENCE:

Technical Specification 3.4.6.1 requires that with only two of the required Leakage Detection Systems operable, operation may continue for up to 30 days provided grab samples of the containment atmosphere are obtained and analyzed at least once per 24 hours when the required gaseous and/or particulate Radioactivity Monitoring System is inoperable; otherwise, be in at least hot standby within the next 6 hours and in cold shutdown within the following 30 hours.

CORRECTIVE ACTION:

Power was restored to the auxiliary alarm typewriters at 1110 on May 21, 1981 and Action Statement 3.4.6.1.b was terminated at this time.

A Design Change Request (1SC-0577) has been initiated to modify the breaker protection scheme to prevent recurrence of this incident. A caution tag has also been affixed to the breaker to instruct the operator not to manually close the No. 3 Unit Generator Breaker in the test position.

In addition, Operating Memo OM-5 was revised to explain the above precaution.

FAILURE DATA:

Not Applicable

Prepared By J. J. Espey

Manager - Salem Generating Station

SORC Meeting No. 81-50