



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

July 1, 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-75  
DOCKET NO. 50-311  
REPORTABLE OCCURRENCE 81-34/03L

Pursuant to the requirements of Salem Generating Station Unit No. 2 Technical Specifications, Section 6.9.1.9.b, we are submitting Licensee Event Report for Reportable Occurrence 81-34/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

*R. A. Uderitz*

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)



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The Energy People

Report Number: 81-34/03L  
Report Date: July 1, 1981  
Occurrence Date: 6-3-81  
Facility: Salem Generating Station, Unit 2  
Public Service Electric & Gas Company  
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Boric Acid Storage Tank - Out of Specification

CONDITIONS PRIOR TO OCCURRENCE:

Mode 3 - Rx Power 0 - Unit Load 0 MWe

DESCRIPTION OF OCCURRENCE:

During the recovery from an inadvertent Safety Injection, the Boron Injection Tank was isolated, drained and recirculation flow was re-established to the Boric Acid Storage Tanks. After the refill was completed, sample analysis indicated the Boric Acid Storage Tank boron concentration was less than 20,000 ppm. At 1120 hours, on June 3, 1981, the Boric Acid Storage Tank was declared inoperable and Action Statement 3.1.2.6.a was entered.

This constituted operation in a degraded mode IAW Technical Specification 6.9.1.9.b.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The Boron Injection Tank was not completely drained prior to placing it on recirculation to the Boric Acid Storage Tanks for refill and caused a dilution in boron concentration to less than 20,000 ppm.

ANALYSIS OF OCCURRENCE:

Technical Specification 3.1.2.6.a requires that with the Boric Acid System inoperable; restore the storage system to operable status within 72 hours or be in at least hot standby within the next 6 hours and borated to a shutdown margin equivalent to at least 1% delta k/k at 200°F; restore the Boric Acid Storage System to operable status within the next 7 days or be in cold shutdown within the next 30 hours.

July 1, 1981

CORRECTIVE ACTION:

The Boric Acid Storage Tanks were borated to between 20,000 and 22,500 ppm of boron from the Boric Acid Batching Tank.

The Action Statement was terminated at 2229 hours on June 3, 1981.

FAILURE DATA:

Not Applicable

Prepared By J. J. Espey

SORC Meeting No. 81-56

H. J. Milberg  
Manager - Salem Generating Station