PSE&G

Public Service Electric and Gas Company P.O. Box E Hancocks Bridge, New Jersey 08038

Salem Generating Station

January 10, 1983

Mr. R. C. Haynes
Regional Administrator
USNRC
Region 1
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Mr. Haynes

LICENSE NO. DPR-70
DOCKET NO. 50-272
REPORTABLE OCCURRENCE 82-08/03X-1
SUPPLEMENTAL REPORT

Pursuant to the requirements of Salem Generating Station Unit No. 1 Technical Specifications, Section 6.9.1.9.b, we are submitting supplemental Licensee Event Report for Reportable Occurrence 82-08/03X-1.

Sincerely yours,

H. J. Midura

H. J. Midura
General Manager -
Salem Operations

RH:ks

CC: Distribution

IE22

Report Number: 82-08/03X-1

Report Date: 12-29-82

Occurrence Date: 01-26-82

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

IDENTIFICATION OF OCCURRENCE:

Boric Acid Storage Tanks - Concentration Out of Specification.

This report was initiated by Incident Report 82-019.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 6 - Rx Power 0% - Unit Load 0 MWe

DESCRIPTION OF OCCURRENCE:

On January 26, 1982, sample results from Nos. 11 and 12 Boric Acid Storage Tanks (BAST) indicated the boric acid concentration was below the specification limit of 20,100 PPM boron. Because the reactor cavity was filled, the Refueling Water Storage Tank (RWST) was below the minimum specification level limit. At 0720 hours Nos. 11 and 12 BAST's were declared inoperable, resulting in no borated water source operable, and Action Statement 3.1.2.7 was entered.

This occurrence constituted operation in a degraded mode in accordance with Technical Specification 6.9.1.9.b.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

No. 12 BAST had been tagged out for maintenance, and drained and flushed. Apparently, when it was refilled, some of the flushing water had remained in the tank, diluting the concentration. When the tanks were recirculated, the concentration in both tanks was diluted.

ANALYSIS OF OCCURRENCE:

Technical Specification 3.1.2.7 requires:

> With no borated water source operable, suspend all operations involving core alterations or positive reactivity changes until at least one borated water source is restored to operable status.

CORRECTIVE ACTION:

All core alterations and positive reactivity changes were suspended. Boric acid was added to the tanks, and at 2037 hours samples indicated that the boron concentrations were within specification limits. Nos. 11 and 12 BAST's were declared operable, and Action Statement 3.1.2.7 was terminated.

The operating instruction for the preparation and transfer of boric acid was reviewed and revised to ensure the boric acid storage tank is recirculated and sampled prior to being returned to service.

FAILURE DATA:

Not Applicable

Prepared By R. Heller

General Manager -
Salem Operations

SORC Meeting No. 82-114