

LICENSEE EVENT REPORT

Update Report - Previous Report Date 1/10/77.

CONTROL BLOCK _____

LICENSEE NAME: N J S I G S 1 | LICENSE NUMBER: 0101-101010101-1010 | LICENSE TYPE: 411111 | EVENT TYPE: 03

REPORT TYPE: CONT | REPORT SOURCE: T | DOCKET NUMBER: 01510-10272 | EVENT DATE: 122876 | REPORT DATE: 040478

EVENT DESCRIPTION

02 | During Mode 1, the Chemistry Foreman reported that #11 and 12 Boric Acid

03 | Storage Tank sample analysis for boron concentration to be 19,946 ppm

04 | and 19,968 ppm respectively. These values being below the minimum con-

05 | centration of 20,100 ppm as specified in Tech Spec L.C.O. paragraph

06 | 3.1.2.8, the Shift Supervisor implemented Tech Spec (CONTINUED PAGE 2)

SYSTEM CODE: PIC | CAUSE CODE: F | COMPONENT CODE: ZZZZZZ | PRIME COMPONENT SUPPLIER: Z | COMPONENT MANUFACTURER: Z999 | VIOLATION: N

CAUSE DESCRIPTION

08 | Review of operating logs failed to identify the cause of this event.

09 | Chemical analysis after batching confirms the low boron concentration.

10 |

FACILITY STATUS: B | % POWER: 017 | OTHER STATUS: N/A | METHOD OF DISCOVERY: a | DISCOVERY DESCRIPTION: Chemical Analysis

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

PERSONNEL EXPOSURES

13 | NUMBER: 000 | TYPE: Z | DESCRIPTION: N/A

PERSONNEL INJURIES

14 | NUMBER: 000 | DESCRIPTION: N/A

OFFSITE CONSEQUENCES: N/A

LOSS OR DAMAGE TO FACILITY

18 | TYPE: Z | DESCRIPTION: N/A

PUBLICITY: N/A

ADDITIONAL FACTORS

18 | EVENT DESCRIPTION CONTINUED ON PAGE 2 (Attached)

19 |

NAME: T. L. Spencer | PHONE: (609)365-7000 Ext. Salem 529

LER 76-30/03L

12/20/77

EVENT DESCRIPTION (Continued)

Action Statement for L.C.O. paragraph 3.1.2.8. The Operations Department batched one batch of boric acid and had the Chemistry Department resample. The results indicated No. 11 at 20,335 ppm and No. 12 at 20,281 ppm. Technical Specifications Action Statement was cancelled. No redundant systems were available. This is the third occurrence of this type. (76-30/03L)



FILE COPY

April 4, 1978

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

DEPT. OF NUCLEAR SERVICES
1070 APR 12 PM 5 43
INSPECTION

Dear Mr. Grier:

LICENSE NO. DPR-70
DOCKET NO. 50-272
SUPPLEMENTAL REPORT
REPORTABLE OCCURRENCE 76-30/03L

Pursuant to the requirements of Salem Generating Station Unit No. 1 Technical Specifications, Section 6.9.1, we are submitting Supplemental Licensee Event Report for Reportable Occurrence 76-30/03L, to correct the original report after further investigation.

Very truly yours,

Frank P. Librizzi
Frank P. Librizzi
General Manager -
Electric Production

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

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Report Number: 6-30/03L
Report Date: 12/20/77
Occurrence Date: 12/28/76
Facility: Salem Generating Station
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

No. 11 and 12 Boric Acid Storage Tanks Inoperable

CONDITIONS PRIOR TO OCCURRENCE:

Operational Mode 1, Reactor Power 17.5%

DESCRIPTION OF OCCURRENCE:

On 12/28/76, the Chemistry Foreman reported that No. 11 and No. 12 Boric Acid Storage Tank sample analysis for boron concentration to be 19,946 ppm and 19,968 ppm, respectively. These values being below the minimum concentration of 20,100 ppm as specified in Technical Specifications LCO paragraph 3.1.2.8, the Shift Supervisor implemented Technical Specifications action statement for LCO 3.1.2.8. The Operations Department batched one batch of boric acid and had the Chemistry Department resample. The results indicated No. 11 at 20,335 ppm and No. 12 at 20,281 ppm. Technical Specifications action statement was cancelled.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Review of operating records failed to identify the cause for the apparent dilution. Chemistry records confirm the low boron concentration and batching results correspond to the expected increase in boron concentration.

ANALYSIS OF OCCURRENCE:

Technical Specification Action Statement "A" for LCO 3.1.2.8 states that with the boric acid storage 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. The boric acid storage system was returned to operable status within the 72 hours allowed by LCO 3.1.2.8, therefore, Technical Specification compliance was achieved.

CORRECTIVE ACTION:

Operations Department personnel re-established the boron concentration in the Boric Acid Storage tanks and chemical analysis confirmed operability.

FAILURE DATA:

N/A

Prepared by T. L. Spencer

SORC Meeting No. 119-77



Manager - Salem Generating Station