



PSE&G

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

March 23, 1978

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

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Dear Mr. Grier:

LICENSE NO. DPR-70
DOCKET NO. 50-272
REPORTABLE OCCURRENCE 78-09/04L

REGULATORY BOARD FILE COPY

Pursuant to the requirements of Salem Generating Station Unit No. 1 Technical Specifications, Section 5.6.2, we are submitting Environmental Operating Report for Reportable Occurrence 78-09/04L.

Sincerely yours,

F. P. Librizzi
General Manager -
Electric Production

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

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The Energy People

Report Number: 78-09/04L
Report Date: March 23, 1978
Occurrence Date: February 9, 1978
Facility: Salem Generating Station
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

On February 9, 1978, during the preparation of the Annual Non-radiological Environmental Operating Report, the average annual (1977) suspended solids concentration in the non-radioactive waste treatment basin effluent was calculated from data and was found to exceed 25 mg/l (Ref.: Section 2.2.2 of Appendix "B" to Operating License DPR-70, Environmental Technical Specifications).

CONDITIONS PRIOR TO OCCURRENCE:

N/A

DESCRIPTION OF OCCURRENCE:

The annual average suspended solids concentration in the treated effluent from the non-radioactive liquid waste treatment basin for 1977 was 63.9 mg/l.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE

The high level of suspended solids in the non-radioactive liquid waste basin effluent was a result of the high suspended solids of the river water used to quench the steam generator blowdown, before being introduced into the waste basin. The monthly average of the total suspended solids in the river water for 1977 was 166 ppm.

ANALYSIS OF OCCURRENCE

N/A

CORRECTIVE ACTION:

The Public Service Engineering Department is evaluating several proposals to reduce the total suspended solids in the non-radioactive liquid waste basin to within the required limits. The proposals include a closed recovery system for steam generator

