



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

Salem Generating Station

February 28, 1986

George Caporale - Chief  
Bureau of Permits Admin.  
Division of Water Resources  
CN-029  
Trenton, NJ 08625

Dear Mr. Caporale

NEW JERSEY POLLUTANT DISCHARGE  
ELIMINATION SYSTEM  
DISCHARGE MONITORING REPORTS  
SALEM GENERATING STATION  
PERMIT NO. NJ0005622

Attached is the Discharge Monitoring Report for Salem Generating Station containing the information as required in Permit No. NJ0005622 for the month of January, 1986.

This report is required by and prepared specifically for the Environmental Protection Agency (EPA) and the New Jersey Department of Environmental Protection (NJDEP). It presents only the observed results of measurements and analyses required to be performed by the above agencies. The choice of the measurement devices and analytical methods is controlled by EPA and NJDEP, not by the company, and there are limitations on the accuracy of such measurement devices and analytical techniques even when used and maintained as required. Accordingly, this report is not intended as an assertion that any instrument has measured, or any reading or analytical result represents, the true value with absolute accuracy, nor is it an endorsement of the suitability of any analytical or measurement procedure.

Due to the time constraints resulting from work related to the present and the planned outage. Documentation of the accuracy of direct versus indirect flow measurement of the cooling water will accompany the March 1986 Discharge Monitoring Report.

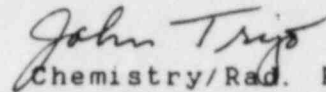
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The Energy People

Exclusion explanations are included on additional pages.

Very truly yours,



Chemistry/Rad. Prot. Manager  
Salem Operations

PDB:slg  
Attachments

C Executive Director, DRBC  
Director, USNRC Office of Nuclear Reactor Regulation  
Vice President - Nuclear  
USEPA - Dr. Richard Baker  
File: NPDES.RPT

The following exclusions are included in the attached report and explained below. Exclusions have not endangered nor significantly impacted public health or the environment.

<u>DMR NO.</u>	<u>EXPLANATION</u>
484	<u>TSS, TRC, COD</u> - Values exceeded permit limitations. Rate of Chlorination reduced to correct TRC. Investigation of TSS, COD values proved inconclusive.
487	<u>TSS</u> - Cause of TSS exceedance is not known.
487A	<u>BOD</u> - % Reduction - Treatment efficiency at 98% of design efficiency - Cause being investigated.
481-483	<u>ΔT</u> - Resulted from the multiple loss of main circulating water pumps.

The following explanations are included to clarify possible deviations from permit conditions.

General - The columns labeled, "No. Ex.", on the enclosed DMR, tabulate the number of daily discharge values outside the indicated limits.

Data reporting and accuracy reflect the working environment, the design capabilities and reliability of the monitoring instruments and operating equipment.

All reported concentrations are based on daily discharge values.

Total residual chlorine is performed once per eight hours of chlorination unless otherwise indicated.

Analytical values which are less than detectable are reported as zero unless otherwise indicated.

Analytical results for all parameters other than pH, temperature, TSS and TRC are provided by Century Laboratories (NJDEP certification 08153).

48C - Clarifier - Effluent pH is reported for informational purposes only.

487, 489 - Measurements are obtained when sample acquisition protocols are met.

482, 485 - Samples are unobtainable due to ongoing entrainment studies and the resultant equipment configuration. Since all chemical treatments of or discharges to the circulating water system are common with at least one other discharge, those values are assumed to be identical for all parameters.

481-486 - TRC - Sample protocol deviated from 1/discharge sample per standpipe per shift.

MONITORING REPORT - TRANSMITTAL SHEET

NJPDES NO.

REPORTING PERIOD

MO. YR. MO. YR.

0 0 0 5 6 2 2

0 1 8 6 THRU 0 1 8 6

**PERMITTEE:** Name PUBLIC SERVICE ELECTRIC AND GAS CO.  
Address PO BOX E  
HANCOCKS BRIDGE NJ 08038

**FACILITY:** Name SALEM GENERATING STATION  
Address BUTTONWOOD ROAD  
HANCOCKS BRIDGE NJ (County) SALEM

Telephone ( 609 ) 339-4399

**FORMS ATTACHED** (*Indicate Quantity of Each*)

SLUDGE REPORTS - SANITARY

T-VWX-007  T-VWX-008  T-VWX-009

SLUDGE REPORTS - INDUSTRIAL

T-VWX-010A  T-VWX-010B

WASTEWATER REPORTS

T-VWX-011  T-VWX-012  T-VWX-013

GROUNDWATER REPORTS

VWX-015(A,B)  VWX-016  VWX-017

NPDES DISCHARGE MONITORING REPORT

EPA FORM 3320-1

OPERATING EXCEPTIONS

	YES	NO
DYE TESTING	<input type="checkbox"/>	<input type="checkbox"/>
TEMPORARY BYPASSING	<input type="checkbox"/>	<input type="checkbox"/>
DISINFECTION INTERRUPTION	<input type="checkbox"/>	<input type="checkbox"/>
MONITORING MALFUNCTIONS	<input type="checkbox"/>	<input type="checkbox"/>
UNITS OUT OF OPERATION	<input type="checkbox"/>	<input type="checkbox"/>
OTHER	<input type="checkbox"/>	<input type="checkbox"/>

(Detail any "Yes" on reverse side in appropriate space.)

**NOTE:** The "Hours Attended at Plant" on the reverse of this sheet must also be completed.

**AUTHENTICATION** - I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

LICENSED OPERATOR

Name (Printed) PAUL BEHRENS  
Grade & Registry No. S-3, S-5235  
Signature *Paul Behrens*  
Date 4/27/86

PRINCIPAL EXECUTIVE OFFICER or  
DULY AUTHORIZED REPRESENTATIVE

Name (Printed) JOHN TREJO  
Title (Printed) RAD PRO / CHEMISTRY MANAGER  
Signature *John Trejo*  
Date 3-6-86