



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

Salem Generating Station

April 29, 1987

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 March, 1987. Thermal and flow data for DSN 481-486 is now available and is being forwarded in accordance with our report of 4/24/87. Only those pages affected are being included.

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.

Exclusion explanations are included on additional pages.

Very truly yours,

8705050243 870429
PDR ADOCK 05000272
R PDR

John Trigt
Chemistry/Rad. Prot. Manager
- Salem Operations

pao
Attachments

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

IE25
1/1

The Energy People

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>
487A	<u>BOD</u> - Recovery from previous upset expected by this report period. No clear indications for delay in recovery. Further upset occurred 4/11 - 4/13.
484	<u>TSS</u> - Exceedance traced to a failure of sampling system and is not indicative of a discharge permit violation. Repairs to sampling system are underway.
48C	<u>NH3</u> - Investigation into cause of sample exceedance inconclusive.
481	<u>pH</u> - Lack of adequate buffering due to power plant cooling water pump outages.

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. N/A indicates no chlorination occurred during the report period.

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. No means is currently available for flow monitoring at these locations.
- 482,485 - Total residual chlorine values are at times 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 - Chlorination of the circulation water system normally does not occur except as otherwise noted. Service water system chlorination is normally continuous and is monitored on the circulating water system outfall due to the inability to sample service water effluent directly.

Chlorination of both systems will be indicated by results reported for both and represents their combined affect upon the circulating water outfall.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

MONITORING REPORT - TRANSMITTAL SHEET

NPDES NO.

REPORTING PERIOD

MO. YR. MO. YR.

010105622

0387 THRU 0387

PERMITTEE:

Name Public Service Electric & Gas Co
Address P.O. Box E
Hancocks Bridge, NJ 08038

FACILITY:

Name Salem Generating Station
Address Buttonwood Road
Hancocks Bridge (County) Salem
Telephone (609) 935-6000

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 4/29/87

PRINCIPAL EXECUTIVE OFFICER or
DULY AUTHORIZED REPRESENTATIVE

Name (Printed) John Trejo
Title (Printed) Rad. Prot./Chem. Mgr.
Signature *John Trejo*
Date 4-29-87

