



Public Service Electric and Gas Company P.O. Box 236 Hancocks Bridge, New Jersey 08038-0236

Nuclear Business Unit

January 20, 1998

New Jersey Department of
Environmental Protection
Division of Water Quality
Bureau of Permit Management
CN029
Trenton, NJ 08625-0029
Certified Mail Number P 461 187 847

**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 December, 1997.

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.

Sincerely,

A. Christopher Bakken III
General Manager -
Salem Operations

Attachments

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PDR ADDCK 05000272
R PDR



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NJPDES Report
December, 1997

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C Mr. Gerald M. Hansler - Executive Director
USNRC - Document Control Desk Unit#1-50-272 Unit#2-50-311
General Manager - Salem Operations
Manager-Licensing & Regulation
M. Vaskis
D. Hurka
D. Dowiak
R. Quinn
Central Record Facility
E. Keating

NJPDES Report
Explanation of Deviations
December, 1997

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 three times per week during 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, TRC and Bioassay results are provided by Raytheon Environmental Services Laboratory. (NJDEP certification 77373) or South Jersey Testing Laboratory (NJDEP certification 06431). Bioassay results are provided by ENSR Environmental Toxicology Laboratory (NJDEP certification 82888).

Net negative discharge values are reported as negative.

489C- Flow thru outfall 489 is calculated based on Oil Water Separator Lift Pump run times.

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.

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

NJPDES Report
Explanation of Deviations
December, 1997

48C - Non-Radioactive Liquid Waste - This system continues to be operated in a batch mode to treat for hydrazine and ammonia by the addition of sodium hypochlorite. No hydrazine has been discharged from this outfall during the reporting period. Residual chlorine is monitored at the outfalls of DSN's 481, 482, 484, and 485, and has not exceeded the permit limits at these outfalls.

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

DSN NO.	EXPLANATION
	NONE

COUNTY OF SALEM
STATE OF NEW JERSEY

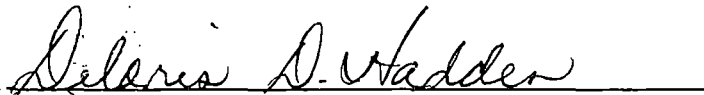
I, A. Christopher Bakken III, of full age, being duly sworn according to law, upon my oath depose and say:

1. I am General Manager of Salem Generating Station, and as such, am authorized to sign Discharge Monitoring Reports submitted to the New Jersey Department of Environmental Protection pursuant to the Station's New Jersey Pollutant Discharge Elimination System permit.
2. I have reviewed the attached Discharge Monitoring Reports. Pursuant to N.J. A. C. 7:14A-2.4, 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 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.
3. The signature on the attached Discharge Monitoring Reports is my signature and I am submitting this affidavit in satisfaction of the requirement that my signature be notarized.



A. Christopher Bakken III
General Manager -
Salem Operations

Sworn and subscribed before me
this 20th day of JAN. 1998.



DELORIS D. HADDEN
Notary Public of New Jersey
My Commission Expires
03-29-2000