



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

Salem Generating Station

March 13, 1985

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

Dear Ms:

NATIONAL POLLUTANT DISCHARGE
ELIMINATION SYSTEM
DISCHARGE MONITORING REPORTS
SALEM NUCLEAR GENERATING STATION
PERMIT NO. NJ0005622

Attached are the Discharge Monitoring Report forms for Salem Nuclear Generating Station containing the information as required in Permit No. NJ0005622 for the month of February 1985.

The information contained in this report presents the observed results required by the Environmental Protection Agency and the New Jersey Department of Environmental Protection, obtained in accordance with approved methods with respect to sampling, analysis, monitoring and methods of reporting.

The reporting of the data and the accuracy of the results reflect the working environment, design capabilities and reliability of the instrumentation.

Discharge sampling locations 482 and 485 are set up and used for ongoing entrainment studies. This precludes any sampling activities. 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. This assumption is made for all identified parameters.

The columns labeled, "No, Ex.", in the enclosed Discharge Monitoring Report forms tabulate the number of observed results that were above or below, as appropriate, the limits contained in the permit; the limits are reflected on the enclosed forms.

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The Energy People

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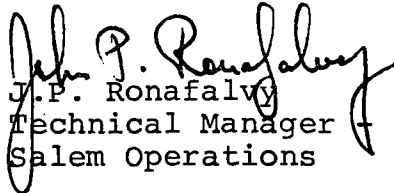
Pursuant to Consent Order EPA-CWA-II-82-77 (May 27, 1983), entered by EPA and NJDEP, the following limits apply to the discharge from DSN 48C until July 1, 1985.

Discharge Limitation - Gross

<u>Effluent Characteristics</u>	<u>Average Monthly</u> mg/l	<u>Maximum Daily</u> mg/l
TSS	40	100
Total Iron	1.5	1.5
Total Copper	0.2	0.2
Ammonia as NH ₄	35	70

Exclusion explanations are included on an additional sheet.

Very truly yours,


J.P. Ronafalvy
Technical Manager
Salem Operations

PDB:slg
Attachment

CC: Executive Director, DRBC
Director, USNRC Office of Nuclear Reactor Regulation
Dr. Richard Baker
Vice President - Nuclear

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

<u>DMR NO.</u>	<u>EXPLANATION</u>
481, 483,	<u>DIFFERENTIAL TEMPERATURE</u> - Programatic errors have been identified as the possible cause of some high ΔT values. These are being investigated.
481, 483	<u>TSS</u> - It has been indicated that a large amount of silt has accumulated in the general area of the intake structure which intermittantly draws it in through the pump suction. Current plans include the dredging of the intake to eliminate this phenomenon.
484, 486	<u>FRC</u> - Chlorination terminated on indication of residuals.
FAC	<u>Facility Heat Release</u> - This is a calculated value based on the suspect ΔT values noted above.
48C	<u>NH₃, Iron</u> - Investigation has indicated the inadequacy of the facility to support two unit operation. Construction of a new facility is in progress.
487	<u>TSS</u> - Possible disturbance of sampling manhole is the suspected cause of the high value obtained.
487A	<u>BOD</u> - An evaluation of the cause of the high BOD value is being conducted.