

Public Service
Electric and Gas
Company

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Public Service Electric and Gas Company P.O. Box 236, Hancocks Bridge, NJ 08038 609 339-4199

March 25, 1988
NLR-N88050

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Gentlemen:

RESPONSE TO COMBINED INSPECTION REPORT
50-272/87-37 AND 50-311/87-37
SALEM GENERATING STATION
UNIT NOS. 1 AND 2
DOCKET NOS. 50-272 AND 50-311

Public Service Electric and Gas Company (PSE&G) has received the subject inspection report dated January 25, 1988. The inspection report requests that PSE&G address the following concerns:

1. The apparent lack of temperature control of samples provided to in-line chemical instrumentation.
2. Acceptance criteria for comparison of in-line and laboratory readings of the same parameter.

Our response detailing the planned corrective actions and their anticipated completion dates is provided in the attachment.

Should you have any questions, please do not hesitate to contact us.

Sincerely,



Attachment

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C Mr. D. C. Fischer
USNRC Licensing Project Manager

Mr. R. W. Borchardt
USNRC Senior Resident Inspector

Mr. W. T. Russell, Administrator
USNRC Region I

Mr. D. M. Scott, Chief
Bureau of Nuclear Engineering
Department of Environmental Protection
380 Scotch Road
Trenton, NJ 08628

ATTACHMENT

- A. Your letter dated January 25, 1988 transmitted a concern in regards to Salem Generating Station's sample temperatures for in-line instrumentation failing to meet ASTM recommended controlled standard of 25 ± 1 degrees centigrade. At present, both the steam generator blowdown and the condensate pump in-line instrumentation fail to meet this criteria. The steam generator blowdown lines are provided with a sample heat exchanger, however, due to the high temperature variance of the cooling (component cooling) water and the lack of good cooling flow control capability the 25 ± 1 degree standard cannot be obtained. Currently, condensate pump in-line instruments have no temperature conditioning capabilities.

CORRECTIVE ACTIONS:

PSE&G is currently investigating solutions to the temperature compensation problem. A Minor Design Change Request (MDCR) is being developed to install packaged temperature control units that will provide the capability to heat or cool circulating water. This circulating water would then be used to condition the sample temperature to 25 ± 1 degree centigrade. This MDCR is expected to be completed by December, 1988, as it requires some significant plant changes.

A new secondary laboratory with temperature conditioning capability is currently under evaluation. Under current design the new laboratory would have sample conditioning panel designed to condition 46 sample streams.

PSE&G is continuing to investigate other options. If an acceptable design can be found that allows for a more timely installation, it may be implemented in place of packaged temperature control units.

ATTACHMENT (cont'd)

Concern was also expressed over the fact that the procedures for intercomparison of in-line and laboratory instrument readings did not provide acceptance criteria. These intercomparisons are used to check that the continuous indication process monitors are performing properly. Presently, a review of the laboratory results is performed to verify that the process monitor's data is reasonable.

CORRECTIVE ACTIONS:

1. Data collection of in-line monitor vs. laboratory results was implemented on January 15, 1988.
2. Intercomparison acceptance criteria has been drafted and is presently being evaluated.
3. Final acceptance criteria will be implemented by June 30, 1988.