

Public Service
Electric and Gas
Company

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April 3, 1987
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United States Nuclear Regulatory Commission
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RADIOCHEMICAL MEASUREMENT IMPROVEMENT ACTION PLAN
SALEM GENERATING STATION
UNIT NOS. 1 AND 2
DOCKET NOS. 50-272 AND 50-311

NRC Inspector Scott Davidson was on site March 16-20, 1987 to conduct Combined Inspection 272/87-04 and 311/87-06. During his exit meeting, he requested that Public Service Electric and Gas (PSE&G) submit a letter indicating the revised completion dates for tasks associated with Open Item 86-02-02 for both Salem Units. A completion schedule had previously been submitted in our letter dated April 14, 1986. In response to this request, this submittal provides the updated completion schedule for tasks tracked under Open Item 86-02-02.

Item 1: Counting Room Quality Control Procedures Upgrade.

Actions taken:

Revised Procedure CH-3.8039, "Efficiency Determination and Quality Control Charts Preparation and Usage for Counting Room Instrumentation," on June 30, 1986 and implemented procedure on July 1, 1986. This revision incorporated the following items:

- a. Provided guidance for evaluation of Counting Room Charts and Performance Checks.
- b. Prescribed warning limits and control limits.
- c. Prescribed criteria for determining detector bias.
- d. Provided for maintaining and plotting background and detector resolution (FWHM) data on a daily basis.

Item 2: Upgrading the quality control of the electrical supply in the counting room.

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Actions taken:

- Design Change Request 1EC02222 has been evaluated by Engineering and budgeted for 1987. Modification to be completed by September 1987.
- Design Change Request 2SC1602, addressing counting room environmental conditions, will be completed by December 1988.
- Portable power line filters and power regulators were installed in the Counting Room in October 1986.

Item 3: Interlab Comparison Program

Actions taken:

- A concentrated effort to improve accuracy and quality control of our count room measurements was expended during 1986. A review of our 1986 interlab comparison data shows an improvement in our performance.

Item 4: Gas Standards for calibration of Johnson Bomb geometries

Actions taken:

- Gas Standards have been purchased and an evaluation of Multi-Channel Analyzer (MCA) calibrations using Johnson Bomb counting geometries were performed in January 1987.

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

Sincerely,

CA McNeill / JTB

C Mr. D. C. Fischer
Licensing Project Manager

Mr. T. J. Kenny
Senior Resident Inspector

Dr. Thomas E. Murley
Regional Administrator
NRC Region I