Public Service
Electric and Gas
Company

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LR-N96284
SEP 20 1996

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

**SUPPLEMENT TO REQUEST FOR CHANGE TO TECHNICAL SPECIFICATIONS
CONTROL ROOM EMERGENCY AIR CONDITIONING SYSTEM
SALEM GENERATING STATION NOS. 1 AND 2
FACILITY OPERATING LICENSES DPR-70 AND DPR-75
DOCKET NOS. 50-272 AND 50-311**

Gentlemen:

By letter LR-N96154, dated June 10, 1996, Public Service Electric & Gas Company (PSE&G) submitted a request to amend Technical Specification (TS) 3/4.7.6 pertaining to Salem Generating Station's Control Room Emergency Air Conditioning System (CREACS). This letter provides a supplement to that request.

The requested change revised the CREACS TS to reflect a control room design in which the common Salem Unit 1 and 2 Control Room envelope is supplied by two trains, one from each unit. In that submittal, PSE&G proposed a revision to the surveillance flow rate from 7410 cfm ±10% to 8000 cfm ±10% and stated that the impact on the Chilled Water System had yet to be assessed.

PSE&G has completed this evaluation and as a result, it has been determined that the Chilled Water System can maintain ambient temperature ≤85° F with the revised flow values and no change to the total surveillance flow rate value is necessary. However, a related change to the design makeup flow rate from ≤2500 cfm to ≤2200 cfm is being proposed, (refer to Attachment 1), as a result of additional design and licensing basis reviews that were performed on associated systems.

PSE&G has determined that alignment of the Auxiliary Building Ventilation System within thirty minutes could not be supported as an input assumption into the dose analyses. Rather, a more conservative value of two hours has been evaluated. This change, however, resulted in an unacceptable dose at the previously specified maximum makeup flow value, 2500 cfm, and minimum total flow rate, 7200 cfm. In order to compensate for the increased time assumption to align the ABV and meet the minimum total flow rate specified, (e.g., worse case dose consequences), a reduction

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in the maximum amount of outside air specified in surveillance requirement 4.7.6.1.d.3 is proposed, 2200 cfm.

Peliminary assessment of the dose to control room operators from a Loss of Coolant Accident, the bounding accident analysis for Control Room dose, has determined that the proposed revisions result in doses that are within General Design Criteria 19 limits. PSE&G will notify the Staff when the supporting calculations have been finalized.

Also, an editorial error is being corrected in the proposed revision to Surveillance Requirement 4.7.6.1.c pertaining to the testing after 720 hours of charcoal adsorber operation. The current Unit 1 TS allows testing options and denotes this by the words "either" and "or." These words were inadvertently left in the proposed surveillance though the revised requirement stipulates only one acceptable method of testing.

PSE&G has reviewed the previously submitted evaluation in accordance with the three standards set forth in 10CFR50.92 and has concluded that no change is necessary as a result of the revised pages and the conclusion of no significant hazards consideration remains valid.

Should you have any questions regarding this supplement, we will be pleased to discuss them with you.

Sincerely,

Attachment

C Mr. H. J. Miller, Administrator - Region I
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Files Nos. 1.2.1 (Salem) 2.3 (LCR S95-21)

REF: LR-N96284

STATE OF NEW JERSEY)
) SS.
COUNTY OF SALEM)

L. F. Storz, being duly sworn according to law deposes and says:

I am Senior Vice President - Nuclear Operations of Public Service Electric and Gas Company, and as such, I find the matters set forth in the above referenced letter, concerning Salem Generating Station, Units 1 and 2, are true to the best of my knowledge, information and belief.

Subscribed and Sworn to before me
this 20th day of September, 1996

Notary Public of New Jersey

KIMBERLY JO BROWN
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires April 21, 1998

My Commission expires on

SALEM GENERATING STATION UNIT NOS. 1 AND 2
FACILITY OPERATING LICENSES DPR-70 AND DPR-75
DOCKET NOS. 50-272 AND 50-311
CHANGE TO TECHNICAL SPECIFICATIONS
REVISION OF CONTROL ROOM VENTILATION SPECIFICATION

TECHNICAL SPECIFICATION PAGES WITH MARKED UP CHANGES

The following Technical Specifications for Facility Operating License No. DPR-70 and DPR-75 are affected by this supplement:

Technical Specification	Page
4.7.6.1.c	3/4 7-20
4.7.6.1.d*	3/4 7-21
4.7.6.1.c	3/4 7-16
4.7.6.1.d.3	3/4 7-17

* LCR S95-21 adds requirement to Unit 1; similar surveillance requirement did not exist previously.

Revision to Insert 4 of LR-N96154, Attachment 3, Pages 4, 5 of 25

c. After every 720 hours of charcoal adsorber operation by ~~either:~~

~~1.~~ Verifying within 31 days after removal that a laboratory analysis of a carbon sample obtained from a test canister demonstrates a removal efficiency of ≥ 99% for radioactive methyl iodide when the sample is tested at 30°C, 95% relative humidity~~; or~~

d. At least once per 18 months by:

1. (As proposed in LR-N96154)

2. (As proposed in LR-N96154)

3. Verifying that the system can maintain the control room at a positive pressure ≥ 1/8" water gauge relative to the adjacent areas during system operation with makeup air being supplied through the HEPA filters and charcoal adsorbers at the design makeup flow rate of ≤ ~~2500~~ 2200 cfm.

4. (As proposed in LR-N96154)

5. (As proposed in LR-N96154)