PSE&G

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

Nuclear Business Unit

APR 19 2000

LRN-00-0109
LCR S99-19

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

Gentlemen:

SUPPLEMENTAL INFORMATION FOR RADIOACTIVE EFFLUENT TECHNICAL SPECIFICATION CHANGE REQUEST, SALEM GENERATING STATION UNIT NOS. 1 AND 2 FACILITY OPERATING LICENSES DPR-70 AND DPR-75 DOCKET NOS. 50-272 AND 50-311

In accordance with 10CFR50.90, on January 24, 2000 Public Service Electric & Gas Company (PSE&G) submitted Salem License Change Request (LCR) S99-19 (ref. letter LRN-99-0402) requesting a revision to the Technical Specifications (TS) for the Salem Generating Station Units No 1 and 2. The changes proposed in this submittal consist of revisions to the Radioactive Effluent Technical Specifications (RETS) and Administrative Controls consistent with NRC Generic Letter (GL) 89-01. Subsequent to the submission of Salem License Change Request S99-19, several items were identified in that submittal requiring correction. These items include the following:

1. Due to a typographical error, incorrect wording was provided for Insert 7 of LCR S99-19. Insert 7 provides the revised section 6.13.2 of Administrative Controls to describe how changes are made to the Process Control Program (PCP). The error affected section 6.13.2.1.b, which specifies that changes to the PCP must ensure conformance of the solidified waste product to existing requirements of Federal, State, or other applicable regulations. The correct wording for Insert 7, as specified by GL 89-01, is contained in Attachment 1. Since Insert 7 is administrative in nature, and only addresses how changes are made to the PCP, PSE&G has concluded that the corrected wording does

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not alter the conclusions reached in the 10CFR50.92 No Significant Hazards analysis submitted with the original LCR S99-19.

2. A copy of the Salem Unit 2 Bases for TS 3/4.3.3.9, Radioactive Gaseous Effluent Monitoring Instrumentation, was provided in the original submittal of LCR S99-19 that did not provide a complete mark-up of the text to be deleted by the proposed change. The correct Salem Unit 2 TS Bases 3/4.3.3.9 mark-up page is provided in Attachment 2. This basis page is identical to the TS Bases 3/4.3.3.9 supplied for Salem Unit 1 in LCR S99-19. Since the wording of the Salem Unit 1 and Unit 2 TS Bases 3/4.3.3.9 are identical, PSE&G has concluded that the changes to the marked-up page provided in Attachment 2 for Salem Unit 2 do not alter the conclusions reached in the 10CFR50.92 No Significant Hazards analysis submitted with the original LCR S99-19 because those changes were evaluated by that analysis.

In addition to the two corrections noted above, a TS was identified subsequent to the submission of LCR S99-19, that is not one of the TS affected by GL 89-01, but is impacted by the changes requested in LCR S99-19. Salem Unit 1 and 2 Technical Specification 3/4.3.3, Radiation Monitoring Instrumentation, Table 3.3-6, Item 2.a.1.a specifies that the alarm trip setpoint for the containment gaseous activity monitor in MODES 1 through 5 be established "per Specification 3.3.3.9". As a part of LCR S99-19, the requirements of Technical Specification 3.3.3.9 will be moved from the Technical Specifications to the Offsite Dose Calculation Manual and will be referred to as "Control 3.3.3.9". Marked up pages for Salem Units 1 and 2 that reflect this change of terminology for TS 3/4.3.3, Table 3.3-6, Item 2.a.1.a, are provided in Attachment 3. Because this change is restricted to a change in terminology of the setpoint reference, and will not affect the actual setpoint of the containment gaseous activity monitor in MODES 1 through 5, nor the methodology used to determine that setpoint, PSE&G has concluded that the change in terminology for the setpoint reference does not alter the conclusions reached in the 10CFR50.92 No Significant Hazards analysis submitted with the original LCR S99-19.

Should you have any questions regarding this request, please contact Brooke Knieriem, Salem Licensing, at (609) 339-1782.

Sincerely,

M. B. Bezilla
Vice President - Operations

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Affidavit
Attachments

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

M. B. Bezilla, being duly sworn according to law deposes and says:
I am Vice President - Operations for the Public Service Electric & Gas Company, and as such, I find the matters set forth in the above referenced letter, concerning the Salem Generating Station, Units Nos. 1 and 2, are true to the best of my knowledge, information and belief.

M. B. Bezilla

Subscribed and Sworn to before me
this 19th day of April, 2000

Jennifer M. Turner
Notary Public of New Jersey

My Commission expires on JENNIFER M. TURNER
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires July 25, 2000

Attachment 1

INSERT 7

Changes to the PCP:

1. Shall be documented and records of reviews performed shall be retained as required by Specification 6.10.3p. This documentation shall contain:

a) Sufficient information to support the change together with the appropriate analyses or evaluations justifying the change(s) and

b) A determination that the change will maintain the overall conformance of the solidified waste product to existing requirements of Federal, State, or other applicable regulations.

2. Shall become effective after review and acceptance by the SORC and the approval of the Plant Manager.

Attachment 2

Marked-up Page, Salem Unit 2 Bases 3/4.3.3.3.9, Radioactive Gaseous Effluent Monitoring Instrumentation

3/4.3.3.8 RADIOACTIVE LIQUID EFFLUENT MONITORING INSTRUMENTATION

~~The radioactive liquid effluent instrumentation is provided to monitor and control, as applicable, the releases of radioactive materials in liquid effluents during actual or potential releases of liquid effluents. The alarm/trip setpoints for these instruments shall be calculated and adjusted in accordance with the procedures in the ODCM to ensure that the alarm/trip will occur prior to exceeding the limits of 10 CFR Part 20. The OPERABILITY and use of this instrumentation is consistent with the requirements of General Design Criteria 60, 63, and 64 of Appendix A to 10 CFR Part 50.~~ The purpose of tank level indicating devices is to assure the detection and control of leaks that if not controlled could potentially result in the transport of radioactive materials to UNRESTRICTED AREAS.

DELETE

CROSS REFERENCE - TABLES 3.3-12 and 4.3-12

T/S Table Item No.	Instrument Description	Acceptable RMS Channels
1a	Liquid Radwaste Effluent Line Gross Activity	2R18
1b	Steam Generator Blowdown Line Gross Activity	2R19A, B, C, and D(1)
2a	Containment Fan Coolers - Service Water Line Discharge Gross Activity	2R13A, B and C(1)
2b	Chemical Waste Basin Line Gross Activity	R37

(1) The channels listed are required to be operable to meet a single operable channel for the Technical Specification's "Minimum Channels Operable" requirement.

3/4.3.3.9 RADIOACTIVE GASEOUS EFFLUENT ~~MONITORING~~ OXYGEN MONITORING INSTRUMENTATION

The radioactive gaseous effluent instrumentation is provided to monitor ~~and control, as applicable, the releases of radioactive materials in gaseous effluents during actual or potential releases of gaseous effluents. The alarm/trip setpoints for these instruments shall be calculated and adjusted in accordance with the procedures in the ODCM to ensure that the alarm/trip will occur prior to exceeding the limits of 10 CFR Part 20. This instrumentation also includes provisions for monitoring (and controlling)~~ the concentrations of potentially explosive gas mixtures in the waste gas holdup system. The OPERABILITY and use of this instrumentation is consistent with the requirements of General Design Criteria 60, 63, ~~and 64~~ AND of Appendix A to 10 CFR Part 50.

Attachment 3

Marked-up Pages, Salem Unit 1 and 2 Technical Specification 3/4.3.3, Radiation Monitoring Instrumentation, Table 3.3-6, Item 2.a.1.a

TABLE 3.3-6

RADIATION MONITORING INSTRUMENTATION

	INSTRUMENT	MINIMUM CHANNELS OPERABLE	APPLICABLE MODES	ALARM/TRIP SETPOINT	MEASUREMENT RANGE	ACTION
1.	AREA MONITORS					
	a. Fuel Storage Area	1	*	≤1 mR/hr	10^{-1}-10^{4} mR/hr	19
	b. Containment Area	2	1,2,3&4	≤10^{3} R/hr	1-10^{7} R/hr	23
2.	PROCESS MONITORS					
	a. Containment					
	1) Gaseous Activity					
	a) Purge & Pressure - Vacuum Relief Isolation	1#	6 and 1,2,3,4&5	≤2x background per ~~Specification~~ 3.3.3.9 ODCM control	10^{1}-10^{6} cpm	22 & 23
	b) RCS Leakage Detection	1	1,2,3&4	N/A	10^{1}-10^{6} cpm	20
	2) Air Particulate Activity					
	a) Purge & Pressure - Vacuum Relief Isolation	1	6	≤2x background	10^{1}-10^{6} cpm	22
	b) RCS Leakage Detection	1	1,2,3&4	N/A	10^{1}-10^{6} cpm	20

* With fuel in the storage pool or building.

\# The plant vent noble gas monitor may also function in this capacity when the purge/pressure-vacuum relief isolation valves are open.

TABLE 3.3-6

RADIATION MONITORING INSTRUMENTATION

INSTRUMENT	MINIMUM CHANNELS OPERABLE	APPLICABLE MODES	ALARM/TRIP SETPOINT	MEASUREMENT RANGE	ACTION
1. AREA MONITORS					
a. Fuel Storage Area	1	*	≤15 mR/hr	10^{-1}-10^{4} mR/hr	23
b. Containment Area	2	1,2,3&4	≤10^{3} R/hr	1-10^{7} R/hr	26
2. PROCESS MONITORS					
a. Containment					
1) Gaseous Activity					
a) Purge & Pressure - Vacuum Relief Isolation	1#	6 and 1,2,3,4&5	≤2x background per ~~Specification~~ ODCM Control 3.3.3.9	10^{1}-10^{6} cpm	26
b) RCS Leakage Detection	1	1,2,3&4	N/A	10^{1}-10^{6} cpm	24
2) Air Particulate Activity					
a) Purge & Pressure - Vacuum Relief Isolation	1	6	≤2x background	10^{1}-10^{6} cpm	25
b) RCS Leakage Detection		1,2,3&4	N/A	10^{1}-10^{6} cpm	24

* With fuel in the storage pool or building.

\# The plant vent noble gas monitor may also function in this capacity when the purge/pressure-vacuum relief isolation valves are open.