PSE&G

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Public Service Electric and Gas Company 80 Park Place Newark, N[illegible]07101 Phone 201/622-7000

September 20, 1976

Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. Karl Kniel, Chief
Light Water Reactors Branch No. 2

Gentlemen:

REQUEST FOR AMENDMENT 2
FACILITY OPERATING LICENSE DPR-70
NO. 1 UNIT
SALEM NUCLEAR GENERATING STATION
DOCKET NO. 50-272

In accordance with the Atomic Energy Act of 1954, as amended, and the Regulations thereunder, we hereby transmit copies of the Request for Amendment 2 to Facility Operating License DPR-70 for Salem Nuclear Generating Station, No. 1 Unit.

This Request for Amendment 2 is required in order to correct typographical errors and to resolve conflicting operating requirements set forth in Appendix "A", Technical Specifications, which involve the containment atmosphere radiation monitoring equipment.

This submittal includes three (3) signed affidavits and 40 copies of the Request for Amendment 2.

Very truly yours,

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Frank P. Librizzi
General Manager -
Electric Production

The Energy People

U.S. NUCLEAR REGULATORY COMMISSION
DOCKET NO. 50-272

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
REQUEST FOR AMENDMENT 2
FACILITY OPERATING LICENSE NO. DPR-70
NO. 1 UNIT
SALEM NUCLEAR GENERATING STATION

Public Service Electric and Gas Company hereby submits Request for Amendment 2 to Facility Operating License No. DPR-70 for Salem Nuclear Generating Station, Unit No. 1. This amendment request pertains specifically to the containment atmosphere radiation monitoring equipment. The change is required in order to correct typographical errors and to resolve conflicting operating requirements set forth in Appendix A, Technical Specifications.

Respectfully submitted,

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

By Frederick W. Schneider

Frederick W. Schneider

STATE OF NEW JERSEY)
) ss.:
COUNTY OF ESSEX

FREDERICK W. SCHNEIDER, being duly sworn according to law, deposes and says:

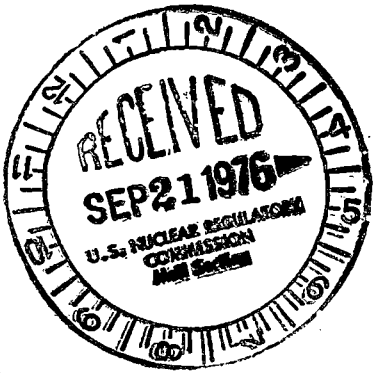
I am a Vice President of Public Service Electric and Gas Company, and as such I signed Request for Amendment 2 to FACILITY OPERATING LICENSE NO. DPR-70. The matters set forth in said Request for Amendment 2 are true to the best of my knowledge, information and belief.

Frederick W. Schneider

Frederick W. Schneider

Subscribed and sworn to
before me this 20th day
of September, 1976

Notary Public of New Jersey
My Commission expires on April 8, 1980



REQUEST FOR AMENDMENT 2
FACILITY OPERATING LICENSE DRP-70
NO. 1 UNIT
SALEM NUCLEAR GENERATING STATION
DOCKET NO. 50-272

In accordance with the Atomic Energy Act of 1954, as amended, and the regulations thereunder, PSE&G hereby requests that Facility Operating License DPR-70 for Salem Nuclear Generating Station, Unit No. 1, be amended as set forth below:

APPENDIX A, TECHNICAL SPECIFICATIONS

1. Engineered Safety Feature Actuation System Instrumentation, Specification 3.3.2.1

   a. Table 3.3-3 (page 3/4 3-18), Item 3.C.2, Containment Atomosphere Radioactivity - High: "TOTAL NUMBER OF CHANNELS" column should be changed from "4" to "3".

      This is a typographical error, in that there are only three channels performing the required function instead of four.

      "MINIMUM CHANNELS OPERABLE" column should be changed from "2" to "2**" and a footnote added as follows:
      "**All three (3) channels may be removed from service and used for monitoring plant stack effluent rather than for monitoring containment atmosphere for up to 8 hours

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per 24-hour interval while either purging the containment atmosphere or venting a gas decay tank."

A similar footnote exists in Specification 3.3.3.1, Radiation Monitoring Instrumentation, which allows for purging the containment atmosphere and venting a gas decay tank during normal plant operation. This change is necessary to maintain consistency between these specifications and to permit these operations to be accomplished. Monitoring the plant stack is required by Appendix B, Environmental Technical Specifications 2.3.4.a and 2.3.4.b.

b. Table 3.3-4 (page 3/4 3-25), Item 3.C.2, Containment Atmosphere Radioactivity:

A new item "3.C.2.c" should be added to include the fixed filter iodine monitor, with setpoints of "$\leq$2 x background in the "TRIP SETPOINT" and "ALLOWABLE VALUES" columns.

This monitoring channel should be added since it also performs an automatic containment purge isolation function. Incorporation of this item will maintain consistency with Specification 3.3.3.1, Radiation Monitoring Instrumentation.

2. RADIATION MONITORING INSTRUMENTATION, Specification 3.3.3.1

Table 3.3-6 (page 3/4 3-36), Item 2.a.3, Fixed Filter Iodine -

Purge and Pressure - Vacuum Relief Isolation:

"MINIMUM CHANNELS OPERABLE" column should be changed from "1" to "1#".

This is an apparent typographical error, since this monitor is an integral part of the other (gaseous and particulate) containment monitors and the associated footnote applies.

Incorporation of these changes in the Technical Specifications does not involve any system modifications, but serves only to permit smooth and proper operation of the affected systems. These systems have been determined previously to be acceptable by the Regulatory staff. The proposed changes do not alter any previous safety analyses and therefore, the health and safety of the public will not be endangered by their implementation. The applicable pages with the proposed changes incorporated are attached.

TABLE 3.3-3 (Continued)

ENGINEERED SAFETY FEATURE ACTUATION SYSTEM INSTRUMENTATION

FUNCTIONAL UNIT	TOTAL NO. OF CHANNELS	CHANNELS TO TRIP	MINIMUM CHANNELS OPERABLE	APPLICABLE MODES	ACTION
b. Phase "B" Isolation					
1) Manual	2 sets of 2	1 set of 2	2 sets of 2	1, 2, 3, 4	18
2) Automatic Actuation Logic	2	1	2	1, 2, 3, 4	13
3) Containment Pressure--High-High	4	2	3	1, 2, 3	16
c. Purge and Exhaust Isolation					
1) Manual	2	1	2	1, 2, 3, 4	17
2) Containment Atmosphere Radioactivity-High	3	1	2**	1, 2, 3, 4	17
4. STEAM LINE ISOLATION					
a. Manual	1/steam line	1/steam line	1/operating steam line	1, 2, 3	18
b. Automatic Actuation Logic	2	1	2	1, 2, 3	13
c. Containment Pressure--High-High	4	2	3	1, 2, 3	16

** All three (3) channels may be removed from service and used for monitoring plant stack effluent rather than for monitoring containment atmosphere for up to 8 hours per 24 hour interval while either purging the containment atmosphere or venting a gas decay tank.

TABLE 3.3-4 (Continued)

ENGINEERED SAFETY FEATURE ACTUATION SYSTEM INSTRUMENTATION TRIP SETPOINTS

FUNCTIONAL UNIT	TRIP SETPOINT	ALLOWABLE VALUES
2. Containment Atmosphere Radioactivity		
a) Particulate	$\leq$ 2 x background	$\leq$ 2 x background
b) Gaseous	$\leq$ 2 x background	$\leq$ 2 x background
c) Iodine	$\leq$ 2 x background	$\leq$ 2 x background
4. STEAM LINE ISOLATION		
a. Manual	Not Applicable	Not Applicable
b. Automatic Actuation Logic	Not Applicable	Not Applicable
c. Containment Pressure--High-High	$\leq$ 23.5 psig	$\leq$ 24 psig
d. Steam Flow in Two Steam Lines--High Coincident with T_{avg} --Low-Low or Steam Line Pressure--Low	$\leq$ A function defined as follows: A Δp corresponding to 40% of full steam flow between 0% and 20% load and then a Δp increasing linearly to a Δp corresponding to 110% of full steam flow at full load	$\leq$ A function defined as follows: A Δp corresponding to 44% of full steam flow between 0% and 20% load and then a Δp increasing linearly to a Δp corresponding to 111.5% of full steam flow at full load
	$T_{avg} \geq$ 543°F	$T_{avg} \geq$ 541°F
	$\geq$ 500 psig steam line pressure	$\geq$ 480 psig steam line pressure

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 Pool Area	1	*	$\leq$ 15 mR/hr	10^{-1} - 10^{4} mR/hr	19
2. PROCESS MONITORS					
a. Containment					
1) Gaseous Activity	1#				
a) Purge & Pressure-Vacuum Relief Isolation		1, 2, 3, 4 & 6	$\leq$ 2 x background	10^{1} - 10^{6} cpm	22
b) RCS Leakage Detection		1, 2, 3 & 4	N/A	10^{1} - 10^{6} cpm	20
2) Air Particulate Activity	1#				
a) Purge & Pressure-Vacuum Relief Isolation		1, 2, 3, 4 & 6	$\leq$ 2 x background	10^{1} - 10^{6} cpm	22
b) RCS Leakage Detection		1, 2, 3 & 4	N/A	10^{1} - 10^{6} cpm	20
3) Fixed Filter Iodine-Purge & Pressure - Vacuum Relief Isolation	1#	1, 2, 3, 4 & 6	$\leq$ 2 x background	10^{1} - 10^{6} cpm	22

* With fuel in the storage pool or building.
# Channel may be removed from service and used for monitoring plant stack effluent rather than for monitoring containment atmosphere for up to 8 hours per 24 hour interval while either purging the containment atmosphere or venting a gas decay tank.