



PSEG

Public Service Electric and Gas Company 80 Park Plaza Newark, N.J. 07101 Phone 201/430-7000

March 2, 1981

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

Attention: Mr. S. A. Varga, Chief
Operating Reactors Branch 1
Division of Licensing

US NRC
DIVISION OF LICENSING
OPERATING REACTORS BRANCH 1

1981 MAR 4 PM 2 32

RECEIVED
DIVISION OF LICENSING
MAR 4 1981

Gentlemen:

LEAKAGE REDUCTION PROGRAM
NO. 1 UNIT
SALEM NUCLEAR GENERATING STATION
DOCKET NO. 50-272

PSE&G hereby submits, in the enclosure to this letter, measured leakage rates for those systems outside containment likely to contain radioactive material, as described in our letter dated July 8, 1980, addressing NUREG-0578, Item 2.1.6.a.

Should you have any questions in this regard, do not hesitate to contact us.

Very truly yours,

R. L. Mittl
General Manager -
Licensing and Environment

Attach

CC: Mr. Leif Norrholm
Senior Resident Inspector

A001
S
1/1

8103050208

P

The Energy People
FR17/1

ENCLOSURE
MEASURED LEAKAGE OF SYSTEMS

1. Containment Spray System - only the portion which would have direct contact with the RHR system from the isolation valve to the containment building.

Leakage: No leakage observed.

2. CVC System - the operational portion of the system which includes the letdown heat exchanger lines, seal water heat exchangers centrifugal charging pumps, and lines to and from the volume control tank.

Leakage: Total of 120 drops/minute observed.

3. The RHR System - the entire system except the 14 inch pipe from the containment sump to the suction of the RHR pumps which was examined under a static head pressure.

Leakage: Total of 4 drops/minute observed.

4. Reactor Coolant Sampling - all sample lines which have direct contact with the primary systems.

Leakage: Total of 65 drops/minute observed.

5. The Safety Injection System - all portions of the system which have direct contact with the containment building.

Leakage: Total of 73 drops/minute observed.

6. Liquid Radwaste System - the waste evaporator and the waste holdup tanks.

Leakage: No leakage observed.

7. Waste Gas System - the entire system except for the lines to and from the nitrogen supply portion of the system.

Leakage: a) For compressors and piping system at 53.2 psia - 10,830 SCCM.

b) For the four (4) Waste Gas Decay Tanks at approximately 110 psia - 1,404.53 SCCM.

c) Total leakage - 12,234.53 SCCM.