



**PSEG**

Public Service Electric and Gas Company 80 Park Plaza, T16D Newark, N.J. 07101 201/430-8217

Robert L. Mittl  
General Manager - Licensing and Environment

June 11, 1981

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

Attention: Mr. Frank J. Miraglia, Chief  
Licensing Branch 3  
Division of Licensing

Gentlemen:

PRIMARY COOLANT SOURCES OUTSIDE CONTAINMENT  
NO. 2 UNIT  
SALEM NUCLEAR GENERATING STATION  
DOCKET NO. 50-311

As required by the Salem Nuclear Generating Station Unit No. 2 Facility Operating License DPR-75, Item 2.C.24 (e), PSEG hereby submits, in the enclosure to this letter, measured leakage rates for those systems outside containment likely to contain radioactive material.

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

Very truly yours,

CC: Mr. Leif Norrholm  
Senior Resident Inspector

BN11



Boo1  
1/1

P The Energy People

8106180269

ATTACHMENT  
MEASURED LEAKAGE OF SYSTEMS

1. 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 94 drops/minute observed.

2. The RHR System - in its entirety.

Leakage: Total of 4 drops/minute observed.

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

Leakage: Total of 52 ml./minute observed.

4. Safety Injection System - all those portions which have direct contact with the containment building.

Leakage: Total of 46 drops/minute observed.

5. Liquid Rad Waste System - the waste evaporator and the waste holdup tanks.

Leakage: No leakage observed.

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

Leakage: a) For compressors and piping system at  
91.16 psia - 5,369 sccm

b) For the 4 waste gas decay tanks - 0 sccm

c) Total leakage - 5,369 sccm.