



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

August 19, 1981

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

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



Gentlemen:

INITIAL TEST PROGRAM  
NO. 2 UNIT  
SALEM NUCLEAR GENERATING STATION  
DOCKET NO. 50-311

Section 13.4 of the Salem FSAR requires, in Table 13.4-1 Sheet 3, that testing for steam generator moisture carryover be performed at 75%, 90%, and 100% power level. New information provided by Westinghouse, based on experience with other series 51 steam generators, indicates that the 75% power test will not produce any significant information or measurable carryover.

We therefore wish to inform you that, based upon this new information, the 75% and 90% power level steam generator moisture carryover test for Salem Unit #2 will not be performed. This test will be performed as specified in the attached Westinghouse letter.

Section 2.C.(4) of Facility Operating License DPR-75 requires that PSE&G obtain prior NRC approval for modifying the post-fuel-loading initial test program, if a major modification is involved. Based on telephone conversations with Mr. Gary Meyer of the NRC staff, it was determined that this test is not identified as essential in Chapter 13 of the FSAR and thereby does not represent a major modification of the initial test program requiring prior NRC approval, as defined in Section 2.3.(4) (a) of Facility Operating License DPR-75.

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PDR

The Energy People

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S.I.

Director of Nuclear  
Reactor Regulation

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

Very truly yours,

*R L Mittel*  
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CC: Mr. Leif Norrholm  
Senior Resident Inspector

FA20 1/2

TO ED WATJEN  
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Westinghouse  
Electric Corporation

Water Reactor  
Divisions

Nuclear Service Division

Box 2775  
Pittsburgh, Pennsylvania 15226

August 11, 1981

PSE-81-517

Ref: SCSD-802 (81)

Mr. R. A. Uderitz, General Manager  
Nuclear Production  
Public Service Electric & Gas Company  
80 Park Plaza  
Newark, New Jersey 07101

RECEIVED

AUG 14 '81

Subject: Salem Unit No. 2 - Moisture Carryover Tests

Dear Mr. Uderitz:

LICENSING  
AND  
ENVIRONMENT

It is recommended that a carryover test at 75% power not be done at Salem #2. Also, all carryover testing may be delayed and done at the same time once 100% power has been achieved. Based on experience on other Series 51 steam generators, the 75% power test will not produce any significant information or measurable carryover.

The following conditions are suggested for carryover tests:

Point #1 - 100% power, nominal warranty steam flow and pressure

Point #2 - 96% power, same Tave Program as Point #1

Point #3 - 92% power, same Tave Program as Point #2

The following point should be tested if carryover is less than 0.25% at Point #1. If carryover at Point #1 is less than 0.10%, Point #3 can be eliminated.

Point #4 - 100% power, Tave approximately 6 degrees lower than Point #1

If carryover is greater than 0.25% at Point #1, the following point should be tested.

Point #5 - 100% power, nominal warranty steam flow and pressure, water level 4% below Point #1

Elimination of the test at the 75% power level has been discussed with personnel at the Steam Turbine Division and is acceptable to them.

Evaluation of these points will provide a better understanding of the capability of the moisture separation equipment. Point #4 is particularly useful to predict moisture carryover during off-nominal conditions, such as reduced temperature return to power and core stretch. For Point #4, the

August 11, 1981  
R. A. Uderitz

-2-


PSE-81-517

Yave temperature reduction may have to be adjusted because of specific conditions and equipment limits at Salem #2. The intended condition at Point #4 is the largest possible volumetric steam flow at 100% power. In most cases, the flow limit is set by the turbine protection considerations.

Point #5 is included to provide for 100% power operation with moisture carryover less than .25% in the event that Point #1 has carryover greater than .25%.

Please feel free to contact us if you have any questions regarding the foregoing.

Sincerely,



F. Noon, Manager  
Operating Plant Service  
Eastern Region

TFS/lmw

cc: H. J. Widura J. Zupko  
R. D. Rippe T. M. Taylor  
L. A. Reiter B. E. Hall  
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