PSE&G

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

Nuclear Department

August 31, 1984

U. S. Nuclear Regulatory Commission
Region 1
631 Park Avenue
King of Prussia, PA 19406

Attention: Mr. Thomas T. Martin, Director
Division of Engineering and Technical Programs

Dear Mr. Martin:

STATUS REPORT ON ITEMS OF CONCERN
COMBINED INSPECTION 50-272/84-10 AND 50-311/84-10
SALEM GENERATING STATION
UNITS NO. 1 AND 2
DOCKET NOS. 50-272 AND 50-311

In our letter, dated June 8, 1984, PSE&G described actions to be taken in response to the items of concern identified in the referenced inspection report. The status of our actions is presented below:

Item 1

Provide specialized training to emergency response personnel by appropriate department heads in addition to training given by the Training Department.

Status

Completion and documentation of qualification/requalification training for 1984 is being performed. Simultaneously, detailed job task analysis and extensive management interviews are being performed to ensure all training needs are addressed for emergency response positions. Training procedures are being finalized to outline the complete scope of the Salem Emergency Plan Training Program (to include all drill requirements). Upon completion of the new training procedures and job task analysis, the Salem Emergency Plan Lesson Plans will be rewritten as necessary and the new training program implemented.

Item 2

a) As presented in a letter to the NRC (7/30/81), incorporate the following items in Salem's Emergency Plan and Procedures.

1) An outline of the meteorological monitoring program with the appropriate reference to the complete description in FSAR section 2.3.3;

2) A description and procedure for remote interrogation of the meteorological monitoring system; and

3) Use of 15-minute computer generated average meteorological measurements in dose calculations.

b) 1) Develop a more realistic method to classify elevated releases based on source characteristics, actual meteorological conditions, release height and building wake effects. One method that is recommended can be found in NUREG/CR-2521, Methods for Estimating Wake Flow...Buildings.

2) Develop site specific correction factors for interpolating meteorological measurements to a more representative level for use in dose calculations during elevated atmospheric releases.

Status

2.a.1 - This item was completed August 29, 1984.

2.a.2 and 2.a.3 - A procedure for access of the Artificial Island Meteorological Monitoring System is provided as an attachment. This procedure is furnished to allow NRC Region I response teams to have access to necessary real time meteorological information. In-house training of personnel required to access this information has begun and will be completed by October 15, 1984. Emergency Plan Procedures outlining this use of 15-minute averaged data will be issued simultaneously with the completion of the above training.

The upgraded Meteorological Monitoring System Design includes computer hardware located in the Salem Technical Support Center (TSC). In July, the Salem TSC was relocated from the second floor (interim location) to the third floor of the Clean Facilities building at Salem. An interruption of the remote interrogation feature of the system was caused by the computer equipment transfer. The Salem Unit 1 extended outage and recent Unit 2 outages diverted the engineering resources needed to support the reconnection of the remote interrogation system (communication computer). This activity directly affected the finalization of the training and implementing procedures.

2.b.1 and 2.b.2 See item 4.a.

Item 3

a) Amend the Salem Unit 2 Technical Specifications in Appendix B, 3.1 Nonradiological Surveillance to a Standard Appendix A, Technical Specification as written for Unit 1, Section 3.3.3.4.

1) Adapt more stringent internal I&C (Instrument and Calibration) procedures for acceptable channel checks on the meteorological parameters and displays.

Status

This item will be completed by October 1, 1984, as indicated in our original response.

Item 4

a) Implement a more refined dispersion model for use in the EOF. Consider recommendations made in Appendix 2 of NUREG-0654 for model capabilities.

b) Identify the height of the mixing layer as a function of season and mesoscale circulation and include this information in the more refined dispersion model.

c) Provide a copy of the data comparison done between the Salem site meteorological data and the PSE&G Quinton Training Facility, installed on February 13, 1981. Discuss how this information will be included in emergency response planning and implementing procedures for dose assessment.

Status

4.a and 4.b Installation of PSE&G's refined (Type B) dispersion model is currently being performed. It is anticipated that PSE&G will meet the commitments outlined in our June 8, 1984 letter. These commitments are to have model running for the Salem 1984 Exercise (October 23, 1984) and a detailed description provided to Region I by December 1, 1984.

4.c See original response.

Item 5

Consider additions and changes to the emergency plan as shown in paragraph 3.h of the inspection report.

Status

These commitments were completed August 29, 1984.

Sincerely,

E. A. Liden
Manager - Nuclear
Licensing and Regulation

Attachment (NRC only)

C Mr. Donald C. Fischer
Licensing Project Manager

Mr. James Linville
Senior Resident Inspector

ATTACHMENT 1

Description and procedures for remote interrogation of the Artificial Island Meteorlogical Monitoring System.

I. Description

Remote interrogation of the Artificial Island Meteorological Monitoring System is accomplished through the system communication computer. The communication computer is a Digital Equipment Corporation LSI 11/23. Access is provided through voice-grade telephone dial-up using a Bell 212A compatible modem or acoustic coupler.

II. System Characteristics

BAUD rate	-	300
Characters	-	ASCII in the form of 8 data bits, one stop bit and no parity
Line length	-	maximum 80 characters
Duplex	-	full
Auto line feed	-	off

III. Procedures

System access is provided by dialing the system access number, (609) 935-5019 and entering the system password, "pass" upon system request for the password. The system will respond with "SALEM METEORLOGICAL MONITORING AND DISPLAY SYSTEM". Communication is through two menu options: 1 - current 15-minute meteorological parameter averages or 2 - historical 15-minute meteorological averages stored for the previous 12 hours. Password and commands are entered by pressing the "return" or "enter" key on the display device. Current 15-minute averages will automatically be provided as they become available every 15 minutes.

Communications are ended by simply hanging up the telephone or turning off the communication device.