

Mr. Harold W. Keiser
 Chief Nuclear Officer & President -
 Nuclear Business Unit
 Public Service Electric & Gas
 Company
 Post Office Box 236
 Hancocks Bridge, NJ 08038

December 15, 1999

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING EMERGENCY
 DIESEL GENERATOR 24-HOUR ENDURANCE RUN, SALEM NUCLEAR
 GENERATING STATION, UNIT NOS. 1 & 2 (TAC NOS. MA6154 AND MA6155)

Dear Mr. Keiser:

In a letter dated July 23, 1999, the Public Service Electric and Gas Company (PSE&G, the licensee) submitted a request for a change to the Technical Specifications (TSs) for the Salem Nuclear Generating Station, Unit Nos. 1 and 2. Specifically, PSE&G requested that TS surveillance requirement (SR) 4.8.1.1.2.d.7 be revised to remove the restriction to perform the 24-hour emergency diesel generator endurance test only during shutdown conditions.

The NRC staff is reviewing your submittal and has determined that additional information is required to complete its review. The specific information requested is addressed in the enclosure. In a telephone conversation with representatives of your staff, the NRC staff discussed this information and obtained agreement that PSE&G would provide the additional information requested within 45 days of receipt of this letter.

If you have any questions regarding this matter, please contact me at (301) 415-1479.

Sincerely,

ORIGINAL SIGNED BY:

William C. Gleaves, Project Manager, Section 2
 Project Directorate I
 Division of Licensing Project Management
 Office of Nuclear Reactor Regulation

Docket Nos. 50-272 and 50-311
 Enclosure: Request for Additional Information
 cc w/encls: See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

December 15, 1999

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Project Directorate I
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Docket Nos. 50-272 and 50-311

Enclosure: Request for Additional
Information

cc w/encl: See next page

Salem Nuclear Generating Station,
Units 1 and 2

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REQUEST FOR ADDITIONAL INFORMATION

EMERGENCY DIESEL GENERATOR 24-HOUR ENDURANCE TEST

SALEM NUCLEAR GENERATING STATION, UNIT NOS. 1 AND 2

1. Provide a description of the offsite power lineup to safety-related vital buses that will be used during the 24-hour emergency diesel generator (EDG) endurance (load run) test. The Nuclear Regulatory Commission (NRC) staff notes that during power operation, one station power transformer powers two safety-related vital buses and another powers one safety-related vital bus. If the EDG being tested is connected to the bus that is being powered by the transformer that is powering multiple vital buses, discuss whether the potential exists for perturbations during the test to affect the operability of both vital buses. Discuss any actions that can be taken to preclude this from occurring.
2. On page 12 (of 17) of the July 23, 1999, letter, you have proposed four administrative controls to be imposed during the on-line performance of the 24-hour EDG run.
 - a. Which document(s) will include these controls?
 - b. Are there any plans to preclude performing this surveillance during unstable grid conditions or during other maintenance and test conditions that could have adverse effects on the offsite power system? If not, discuss the reasons for not having these restrictions.
 - c. Are there any plans for restricting additional maintenance or testing of required safety systems, subsystems, trains, components and devices that depend on the remaining EDG as sources of emergency power? If not, discuss the reasons for not having these restrictions.
3. The current technical specification (TS) surveillance requirement (SR) requires that the EDG be loaded to 2760-2860 kW for the first 2 hours and 2500-2600 kW for the remaining 22 hours. The current SR does not include the power factor (pf) of the load. The Improved Standard TS includes a pf requirement based on EDG loading calculations. Thus, without a proper pf requirement, the proposed SR may not simulate actual loading of the EDG during accident conditions. Provide your justification for not modifying this SR to include the pf of the load.
4. Discuss whether the applicable TS Bases need to be revised.