



PSE&G

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

September 8, 1980

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:

UPDATED Q LIST
NO. 2 UNIT
SALEM NUCLEAR GENERATING STATION
DOCKET NO. 50-311

PSE&G hereby submits, in the enclosure to this letter, an updated "Q List". This list has been updated in response to your verbal request and supersedes the Q List submitted by letter dated August 25, 1980. 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
Engineering and Construction

Enclosure

CC: Mr. Leif Norrholm
Salem Resident Inspector

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Q LIST - OPERATIONS PHASE

The listing below identifies those safety-related structures, systems and components to which the operational Quality Assurance (OPQA) Program applies, as described in FSAR Appendix D, Section D.5.2. The OPQA Program will be applied to these items through the operations phase. Not all of these items were designed and constructed under the QA program and will not be backfitted in this regard. Those items that were designed and constructed under the QA program are so identified elsewhere in the FSAR.

Structures

1. Containment (including penetrations, concrete shielding, interior structures, air locks, equipment hatch)
2. Fuel Handling Building
3. Auxiliary Building (including Control Room and Diesel Generator Area).
4. Service Water Intake Structure

Systems and Components

1. Reactor Protection System
2. Reactor (including vessel, supports, intervals, fuel assemblies, RCC assemblies and drive mechanisms, supporting and positioning members, and in-core instrumentation)
3. Reactor Coolant System (including piping, valves, steam generators, pressurizer, safety and relief valves, block valves, piping to pressurizer relief tank, reactor coolant pumps, and supports)
4. Engineered Safety Features
 - A. ECCS (including Safety Injection and RHR pumps, RWST, Accumulators, RHR Heat Exchangers, containment sump, sump screen, vortex suppression devices, and connecting piping and valves)
 - B. Containment Spray System (including Spray pumps, spray headers, spray additive tank, connecting piping and valves)

- C. Portions of the CVCS (including Centrifugal Charging pumps, Boron Injection Tank, connecting piping and valves).
- D. Containment Ventilation System (including fan coolers, distribution ducts, dampers, HEPA filters and moisture separators).
- 5. Service Water System (entire system serving the nuclear portion of the plant, as shown in FSAR Figure 9.9-1)
- 6. Auxiliary Building Ventilation System (supply and exhaust units)
- 7. Fuel Handling Building Ventilation System (exhaust units)
- 8. Auxiliary Feedwater Storage Tank
- 9. Residual Heat Removal System
- 10. Component Cooling System
- 11. Fuel Transfer Tube
- 12. Emergency Power Supply Systems
 - A. Diesel Generators (including associated fuel oil, lub oil, starting auxiliary systems, fuel storage and day tanks, jacket cooling, governor, voltage, regulatory and excitation systems)
 - B. Diesel Generator Area Ventilation System
 - C. DC Power Supply System
 - D. Power distribution lines to equipment required for emergency transformers and switchgear supplying Engineered Safety Features (includes 4 kV, 460V and 230V vital buses).
 - E. Control Boards and Motor Control Centers
 - F. Control equipment, facilities and lines required for above items

13. Waste Disposal Systems
 - A. Gas Decay Systems
 - B. Compressor
14. Containment Polar Crane
15. Auxiliary Feedwater System
16. Sampling System (to outermost containment isolation valve)
17. Main Steam System (to isolation valve)
18. Feedwater System (to outermost isolation valve)
19. Hydrogen Recombiners, hydrogen analyzers, and supports.
20. Fuel Handling System
21. Switchgear Room Ventilation System
22. Steam Generator Blowdown System (to outermost containment isolation valve)
23. Containment Pressure - Vacuum Relief System
24. Control Area Air Conditioning System
25. Radiation Monitoring System (those portions required for Class I equipment and systems)
26. Process Instrumentation and Controls (those portions required for Class I equipment and systems)
27. Instrumentation and Control Systems required for safe shutdown (including safety related instrumentation)
28. Electrical Cable Tunnels
29. Control Panels - Class IE circuits
30. All systems which penetrate containment, up to and including the containment isolation valve (identified in FSAR Section 5.4)

31. Instrument Air System (including accumulators, interconnecting piping and valves) for air-operated valves that perform a safety function.
32. Safety Related equipment identified in FSAR Table Q7.18-1 (response to Question 7.18)
33. Spent Fuel Pool Cooling System
34. Meteorological Data Collection Program
35. Fire Protection Program
36. Leakage Detection System (as discussed in FSAR Section 4.2.7.).
37. Missile Barriers (protecting safety-related equipment).
38. Shoreline Dike (for protection against excessive wave action).
39. Valve operators for all valves incorporated in this list.
40. AC control power buses and inverters.
41. Expendable and consumable items necessary for the functional performance of critical structures, systems and components (i.e., weld rod, boric acid, fuel oil, etc.).
42. Nuclear Instrumentation System

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