



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

TERA

Docket No. 50-327
and 50-328

JUN 24 1980

Mr. H. G. Parris
Manager of Power
Tennessee Valley Authority
500A Chestnut Street Tower II
Chattanooga, Tennessee 37401

Dear Mr. Parris:

SUBJECT: REQUEST FOR INFORMATION ON SEQUOYAH Q-LIST

Enclosed is a request for information pertaining to your Table 17.2-1, Critical Structures, Systems, and Components, for the Sequoyah FSAR which identifies items subject to your operational QA program (Q-List). We informally sent your staff a copy of the enclosure.

We suggest that you send your response by June 30, 1980.

Please call if there are any questions.

Sincerely,

A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing

Enclosure:
As stated

cc w/enclosure:
See next page

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Tennessee Valley Authority
500A Chestnut Street Tower II
Chattanooga, Tennessee 37401

JUN 21 1980

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P. O. Box 699
Hixson, Tennessee 37343

REQUEST FOR ADDITIONAL INFORMATION

Sequoyah Q-List

1. The following items from the Q-list (FSAR Table 17.2-1) need expansion and/or clarification as noted. Revise the list as indicated or justify not doing so.

1.0	Primary Containment	Include missile barriers and containment sump system.
2.2	Electrical	Identify the specific electrical systems included.
3.1	Emergency Gas Treatment System	Include H ₂ -O ₂ monitors, H ₂ recombiner, and control panel.
4.0	Reactor Building	Include missile barriers.
4.2	Containment Purge System	Include radiation monitors.
5.0	Auxiliary Building	Include filters for the ventilation system and include individual room vent systems for SI, RHR, and CS pump rooms.
5.9	Fuel Handling Area Ventilation	Include fuel handling system radiation monitor.
6.0	Control Building	Include filters for the ventilation system.
6.3	Main Control Room A/C System	Identify the systems included such as the radiation monitoring system, the chlorine monitoring system, etc.
10.0	Refueling Water Storage Tank	Identify the systems included.
11.0	Reactor Coolant System	Identify leak detection system, PORVs, pressurizer safety valves, PORV block valves, and RCP cooling water and RCP seal water systems.
11.11	Electrical	Identify the electrical systems included.
12.1	Main Steam	Indicate that the system extends to and includes the outermost containment isolation valves and includes the steamline power operated atmospheric dump valves.
13.1	Main Feedwater System	Indicate that the system extends to and includes the outermost containment isolation valves.

14.0	Safety Injection System	Include sump instruments and RWST level instruments needed for switchover to recirc phase.
18.0	Chemical and Volume Control System	Include boron recovery system.
22.0	Instruments and Controls	Include reactor trip system and ESF actuation system.
22.1	Cabinets, Panels, Racks	Include sensors, indication systems, and annunciation systems.
23.0	Emergency Power System	Include the emergency diesel fuel oil system including the storage tanks.
23.1	Diesel Generator System	Include auxiliary systems such as the lube oil system, the air starting system, and the jacket cooling system.
24.	Upper Head Injection System	Include isolation valves and the hydraulic system.
30.	Safety Related Display Indication	Identify the systems included and include meteorological data collection system.

2. The following items do not appear on the Q-list (FSAR Table 17.2-1). Add these items to the list or justify not doing so:
- a. Cooling Towers.
 - b. Environmental Monitoring System for areas that contain safety-related equipment.
 - c. Electro-Hydraulic Control System - Portions that control the closing of turbine stop valves, intercept valves, turbine bypass valves, and other main steam system downstream valves that are needed to close in the event of a MSLB with failure of a MSIV to close.
 - d. Emergency AC Auxiliary Power Systems (Class IE)
 - 1) Fire Stops and Seals
 - 2) AC Power Inverters
 - 3) Auxiliaries associated with the diesel generator system
 - 4) Switchgear, Load Centers, and Motor Control Centers
 - e. 125 Volt Class IE DC Vital Power Distribution System
 - 1) Battery Racks
 - 2) Cable Trays and Supports (Raceway installation containing Class IE cables and other raceway installations required to meet seismic Category I requirements)

- f. Expendable and Consumable Items necessary for the functional performance of CSSC (i.e., weld rod, fuel oil, boric acid, snubber oil, etc.)
- g. **Measuring and Test Equipment**
- h. Spent Fuel Pool (including gates)
- i. Cold Leg Accumulators