UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET SW SUITE 23T85
ATLANTA, GEORGIA 30303-8931

July, 20, 2000

Tennessee Valley Authority
ATTN: Mr. J. A. Scalice
Chief Nuclear Officer and
Executive Vice President
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

SUBJECT: SAFETY SYSTEM DESIGN AND PERFORMANCE CAPABILITY INSPECTION
NRC INSPECTION REPORT NOS. 50-327, 328/00-10

Dear Mr. Scalice:

The purpose of this letter is to request information in preparation for the subject inspection, which is scheduled to be performed at your Sequoyah facility August 28 - September 1 and September 11 - 15, 2000. The information requested is outlined in the enclosure to this letter. It will be needed by the week of August 14, 2000, to facilitate our inspection preparation effort.

The primary focus of the inspection will be the performance capability of the emergency core cooling system during the recirculation phase of accident mitigation for a small break loss of coolant accident. The inspection will be conducted by a team of five inspectors lead by Mr. Edward Girard. He has discussed the inspection plans and the information being requested with Mr. R. Proffitt of your staff. Mr. Girard will visit the Sequoyah facility August 14 -15 to review and collect the requested information.

Thank you for your cooperation in this matter. If you have any questions regarding the information requested or the inspection, please contact Mr. Girard at (404) 562-4644 or Mr. Landis at (404) 562-4605.

Sincerely,

/RA/

Kerry D. Landis, Chief
Engineering Branch
Division of Reactor Safety

Docket Nos. 50-327, 50-328
License Nos. DPR-77, DPR-79

Enclosure: (See page 2)

Enclosure: Information Request for the Safety System Design and Performance Capability Inspection Small Break Loss of Coolant Accident (SBLOCA) Events

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DATE	7/20/00	7/20/2000	8/ /2000	8/ /2000	8/ /2000	8/ /2000	8/ /2000
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: C:\seq info letter.wpd

INFORMATION REQUEST FOR THE SAFETY SYSTEM DESIGN AND PERFORMANCE CAPABILITY INSPECTION
SMALL BREAK LOSS OF COOLANT ACCIDENT (SBLOCA) EVENTS

Documents Requested

- Procedures for standard operation, abnormal operation, and emergency operation of the emergency core cooling system (ECCS).
- Design criteria (i.e., design basis documents) for the ECCS and on-site electrical distribution system.
- ECCS Technical Specification requirements and bases.
- Flow diagrams for the ECCS and for interfacing support system equipment (e.g., component cooling to the RHR heat exchangers, ERCW for any required room coolers or pump coolers, etc.).
- One line diagrams for 6.9 kV and 480 V electrical distribution system.
- Schematics for ECCS pump motors.
- ECCS pump performance curves.
- Sequoyah response to Generic Letter 97-04.
- Setpoint calculation for switchover from refueling water storage tank to sump for recirculation during a SBLOCA.
- Net positive suction head calculations for operation of the ECCS pumps during a SBLOCA.
- Logic drawings and control drawings for ECCS pumps, containment sump isolation valves, refueling water storage tank isolation valves, and the component cooling water control valves to the RHR heat exchangers.
- ECCS pump/motor speed-torque curves.
- ECCS pump motor acceleration time current and thermal limit curves.
- System Health Reports and Performance Trends for the ECCS and its support systems.
- Maintenance Rule performance criteria for the ECCS.
- Copies of any UFSAR changes involving the ECCS and /or its support systems which have not been docketed yet.

ENCLOSURE

- Self-assessments performed on ECCS and its support systems in the last 24 months.

- PRA Risk Achievement Worth, Risk Reduction Worth, and Fussell-Vesely values for the ECCS. Please include information identifying the event and equipment names.

- Current procedures and acceptance criteria for the inservice testing of ECCS pumps.

Lists Requested

- A list of the tests and calculations that support the design basis capabilities of the ECCS for a SBLOCA event.

- A list of tests/surveillances (exclusive of those listed above) used to monitor or demonstrate the continuing capabilities of the ECCS, its components, and its interfaces with support systems. (Please identify the Technical Specification number beside each test/surveillance that is required by Technical Specifications).

- A list of engineering calculations applicable to the ECCS (including the accident analysis).

- A list of plant modifications to the ECCS implemented since 1995.

- A list of PERs initiated since 1995 involving the ECCS.

- A list of currently open temporary modifications and operator work arounds involving operation of the ECCS and its support systems.

- A list of corrective maintenance activities and maintenance preventable functional failures the ECCS since 1995.

- A list of item equivalency evaluations and commercial grade dedications for ECCS components.

- A current list of all minimum cutsets.