



UNITED STATES
 NUCLEAR REGULATORY COMMISSION
 REGION II
 101 MARIETTA ST., N.W., SUITE 3100
 ATLANTA GEORGIA 30303

JUN 30 1981

Report No. 50-328/81-29

Licensee: Tennessee Valley Authority
 500A Chestnut Street
 Chattanooga, TN 37401

Facility Name: Sequoyah Unit 2

Docket No. 50-328

License No. CPPR-73

Inspection at Sequoyah Site Chattanooga, Tennessee

Inspector: *R. L. Fiedler* 6-19-81
 R. L. Fiedler Date Signed

Approved by: *P. T. Burnett* 6-19-81
 P. T. Burnett, Acting Section Chief Date Signed
 Engineering Inspection Branch
 Engineering and Technical Inspection Division

SUMMARY

Inspection on June 3-5, 1981

Areas Inspected

This routine, announced inspection involved 19 inspector-hours on site in the areas of review of the Integrated Engineered Safety Features System Test procedure and on followup of previous inspection findings.

Results

Of the two areas inspected, no violations or deviations were identified.

REPORT DETAILS

1. Persons Contacted

Licensee Employees

*J. M. McGriff, Assistant Plant Superintendent
M. R. Harding, Compliance Supervisor
M. Halley, Pre-rcp Supervisor
D. O. McCloud, Quality Assurance Supervisor

NRC Resident Inspector

*E. Ford, Senior Resident Inspector
S. D. Butler, Resident Inspector

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on June 5, 1981 with those persons indicated in paragraph 1 above.

3. Licensee Action on Previous Inspection Findings

(Closed) Violation (VIO 327/81-07-01) Failure of the PORC to render determinations in writing with regard to whether or not items considered constitute an unreviewed safety question. The inspector reviewed the corrective steps taken as described in the April 17, 1981, letter from the licensee. The corrective step taken appeared to be adequate, therefore this item is considered closed.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Integrated Engineered Safety Features (ESF) Test Procedure Review

The inspector reviewed a draft copy of preoperational test W-6.1F "Integrated Engineering Safeguards Activation" to verify that the test procedure adequately addresses NRC requirements and licensee commitments relating to engineered safety features. The procedure included the following required demonstrations:

- a. The ESF systems are aligned for normal operation using plant system operating instructions and the status is recorded.

- b. Electrical power train B for Unit 2 including all AC and DC and the diesel generator are disabled and deenergized.
- c. A SI and Phase B containment isolation signal are simultaneously activated using the manual actuation handswitches on the main control board.
- d. The proper operation of the train A equipment is verified.
- e. The ESF systems are realigned for normal operation and the status recorded.
- f. Electrical power train A for Unit 2 including all AC and DC and the diesel generator are disabled and deenergized.
- g. A SI and Phase B containment isolation signal are simultaneously actuated using the manual actuation handswitches on the main control board.
- h. The proper operation of the train B equipment is verified.
- i. The ESF systems are realigned for normal operation and the status recorded.
- j. A SI and Phase B containment isolation signal and a loss of power to the Unit 2 6.9 KV boards 2A, 2B, 2C and 2D (Blackout) simultaneously initiated using handswitches on the main control board.
- k. The proper operation of all ESF equipment is verified.
- l. The reset function of the ESF equipment is verified following the proper actuation of the ESF equipment.

The procedure appears to adequately fulfill the requirements for an integrated system test with disabled power trains and blackout.