



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION II
101 MARIETTA STREET, N.W.
ATLANTA, GEORGIA 30303

SEP 24 1984

Report Nos.: 50-327/84-22 and 50-328/84-23

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

Docket Nos.: 50-327 and 50-328

License Nos.: DPR-77 and DPR-79

Facility Name: Sequoyah 1 and 2

Inspection Conducted: August 27-30, 1984

Inspectors:	<u>R. R. Marston</u>	<u>9/21/84</u>
	R. R. Marston	Date Signed
	<u>A. L. Cunningham</u>	<u>9/21/84</u>
	A. L. Cunningham	Date Signed
Approved by:	<u>W. E. Cline</u>	<u>9/21/84</u>
	W. E. Cline, Section Chief	Date Signed
	Division of Radiation Safety and Safeguards	

SUMMARY

Scope: This routine, unannounced inspection involved 60 inspector-hours on site in the areas of emergency preparedness.

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

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REPORT DETAILS

1. Licensee Employees Contacted

P. R. Wallace, Plant Manager
*L. M. Nobles, Operations and Engineering, Superintendent
R. E. Alsup, Compliance Supervisor
*T. D. Knight, Site Services Supervisor
*S. P. Holdefer, Health Physics Supervisor
*M. R. Harding, Engineering Group Supervisor
*S. D. Butler, Plant QA Supervisor
L. E. Smith, Training Officer
*T. H. Youngblood, REP Coordinator
J. Steigelman, Assistant H.P. Supervisor
*M. R. Cooper, Compliance Engineer
*W. S. Wilburn, Technical Service Engineer
B. W. Jarvis, QA Evaluator
H. B. Williamson, TVA Communications Specialist

Other licensee employees contacted included one technician.

NRC Resident Inspectors

E. Ford

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on August 30, 1984, with those persons indicated in paragraph 1 above.

3. Licensee Action on Previous Enforcement Matters

(Closed) Violation 84-02-02: Emergency Plan Implementing Procedure changes transmitted to NRC more than 30 days after such changes. The inspector verified that the last six emergency plan changes and the last six implementing procedure changes were sent to the NRC within 30 days.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Notification and Communications (82203)

This area was inspected pursuant to the requirements of 10 CFR 50.47(b) (5) and (6) and 10 CFR 50, Appendix E, paragraphs IV.D and E, to determine whether the licensee was maintaining a capability for notifying and communicating among licensee personnel, offsite supporting agencies and authorities, and the population within the EPZ in the event of an emergency.

The licensee notification procedures, SQNP IP-2, IP-3, IP-4, IP-5, and DNPEC IP-2, IP-3, and IP-5 were reviewed by the inspector. The plant procedures required the plant to notify the Operations Duty Specialist (ODS) of an emergency within five minutes, and the DNPEC procedures required the ODS to notify the State within five minutes, then notify other corporate and offsite agencies. The procedures were consistent with the emergency classification and emergency action level scheme in use by the licensee. The inspector determined that the procedures made provisions for message verification.

The inspector determined by review of the licensee's procedures, SQN IPs-3, 4, 5, 6, 7, and 10, appropriate DNPEC and CECC procedures, and by discussion with licensee representatives that adequate procedural means existed for alerting, notifying, and activating emergency response personnel.

The procedures specified when to notify and activate the onsite emergency organization, corporate support organization, and offsite agencies. Selected telephone numbers listed in the licensee's procedures for emergency response support organizations were checked in order to determine whether the listed numbers were current and correct. No problems were noted.

The content of initial emergency messages were reviewed and discussed with licensee representatives. The initial messages appeared to meet the guidance of NUREG-0654, Sections II.E.3 and .4. Licensee representatives stated that the format and content of the initial emergency messages had been reviewed by state and local government authorities.

The licensee management control program for the prompt notification system was reviewed. According to licensee documentation and discussions with licensee representatives the system consists of 35 fixed sirens.

Licensee records showed that the system as currently installed was consistent with the description contained in the emergency plan. Maintenance of the system has been provided for by the licensee. The inspector reviewed siren test records for 1984. The test records showed that silent tests were conducted at least every two weeks, growl tests were conducted quarterly, and complete cycle tests were done annually as specified in NUREG-0654, Appendix 3.

Communications equipment in the Control Room, OSC TSC, CECC and DNPEC were inspected. Provisions existed for prompt communication among emergency response organizations, to emergency response personnel, and to the public. The installed communications systems at the emergency response facilities are consistent with system descriptions in the licensee emergency plan and emergency procedures.

Licensee records of communications tests for the current year were reviewed. The inspector noted from the records that communications tests were conducted at the frequency specified in NUREG-0654, Section II.N.2.a. Licensee records also revealed that corrective action was taken on problems identified during communications tests.

No violations or deviations were identified in this program area.

6. Changes to the Emergency Preparedness Program (82204)

This area was inspected pursuant to the requirements of 10 CFR 50.47(b) (16), and 10 CFR 50, Appendix E, paragraph IV.F. to determine if changes had been made to the program since the last inspection and to note how these changes affect the overall state of emergency preparedness.

A review was conducted of the licensee's program for distribution of changes to the emergency plan and procedures. Licensee document control records for the current year showed that appropriate personnel and organizations were sent copies of plan and procedural changes as required. Inspector findings related to licensee action on a previous violation in this program area are presented in paragraph 9 below.

No violations or deviations were identified in this program area.

7. Training (82206)

This area was inspected pursuant to the requirements of 10 CFR 50.47(b) (15) and (14) and 10 CFR 50, Appendix E, paragraph IV.F. to determine that emergency response personnel understand their emergency response roles and can perform their assigned functions.

The inspector reviewed licensee training program descriptions in the emergency plan, reviewed training procedures, reviewed selected lesson plans and interviewed members of the training program staff. Based on this review and interviews, the inspector determined that the licensee has established a formal emergency training program.

Records of training for key members of the emergency organization for 1984 were reviewed. The training records revealed that personnel designated as alternates or given interim responsibilities in the emergency organization had been provided with appropriate training.

The training at the corporate level was determined to be applicable to other TVA plants as well as Sequoyah.

The inspector also reviewed the records of emergency drills and exercises for 1984. The frequency and types of drills were consistent with the requirements stated in the emergency plan.

No violations or deviations were identified in this program area.

8. Licensee Audits (82210)

This area was inspected pursuant to the requirements of 10 CFR 50.54(t) to determine that annual independent reviews or audits of the emergency preparedness program were performed.

Records of audits of the licensee emergency preparedness program pursuant to 10 CFR 50.54(t) were reviewed. The records showed that independent audits of the program were conducted by Operations Quality Assurance in early 1983 and May - July 1984. These audits met the 12 month frequency requirements

for such audits. The audit records showed that the state and local government interface was evaluated. Audit report findings and recommendations were presented to plant and corporate management. A review of past audit reports indicated the licensee complied with the five year retention requirement for such audit reports.

The licensee's program for followup action on audits, drills, and exercise findings was reviewed. Licensee procedures required followup on deficient areas identified during audits, drills, and exercise. The inspector reviewed licensee records which indicated that corrective action was taken on problems identified as appropriate. The licensee has established a tracking system as a management tool in following-up on actions taken on deficient areas.

Licensee emergency plans and procedures required critiques following exercises and drills. Licensee documentation showed that critiques were held following the annual exercise and following drills. The records showed that deficiencies were discussed in the critiques and recommendations for corrective action were made.

No violations or deviations were identified in this program area.

9. Inspector Followup (92701)

(Closed) Inspector Followup Item (IFI) 84-02-01: Emergency Operating Instructions (EOIs) and Abnormal Operating Instructions (AOIs) did not always reference the Classification Procedure (IP-1) when the subject incident was classifiable. The inspector reviewed the current EOIs and AOIs and verified that IP-1 was referenced where appropriate.

(Closed) Violation 84-02-02: Emergency plan implementing procedure changes transmitted to NRC more than 30 days after date of such changes. The inspector reviewed the six emergency plan changes and the six implementing procedure changes issued since the violation occurred and the accompanying letters of transmittal and verified that all such changes were sent to the NRC within 30 days.