



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

Report Nos. 50-327/79-56

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

Facility Name: Sequoyah Nuclear Plant

Docket No. 50-327

License No. CPPR-72

Inspection at Sequoyah Site near Chattanooga, Tennessee

Inspected by: W. T. Cottle 11/6/79  
Date Signed

Approved by: H. C. Dance 11/7/79  
Date Signed  
H. C. Dance, Section Chief, RONS Branch

SUMMARY

Inspection on September 1-30, 1979

Areas Inspected

This routine, unannounced inspection involved 50 inspector-hours onsite in the areas of movement of special nuclear material, readiness of the facility for an operating license, followup of previously identified items, and plant tours.

Results

Of the areas inspected, no apparent items of noncompliance or deviations were identified.

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## DETAILS

### 1. Persons Contacted

#### Licensee Employees

J. M. Ballentine, Plant Superintendent  
W. F. Popp, Assistant Plant Superintendent  
C. E. Cantrell, Assistant Plant Superintendent  
W. E. Andrews, Quality Assurance Supervisor  
R. S. Kaplan, Captain, Public Safety Services  
W. H. Kinsey, Results Supervisor  
J. Lebdell, Section Supervisor-Radiation Service and Surveillance  
J. R. Crisp, Administrative Services Supervisor  
D. J. Record, Assistant Operations Supervisor

Other licensee employees contacted included 2 shift engineers, 2 technicians, 4 operators, 2 security force members, and 4 office personnel.

#### Other Organizations

L. Jackson, USNRC  
R. Zavadoski, USNRC  
J. Buzy, USNRC  
R. Sauer, USNRC  
T. Donat, USNRC  
M. Gouge, USNRC  
B. Trojanowski, USNRC  
K. Clark, USNRC  
B. Miller, USNRC

### 2. Exit Interview

The inspection scope and findings were summarized with the Plant Superintendent and members of his staff on September 7, 14, 21 and October 5, 1979.

### 3. Licensee Action on Previous Inspection Findings

Not inspected

### 4. Unresolved Items

Unresolved items were not identified during this inspection.

### 5. Readiness of the Facility for Receipt of an Operating License

The inspector continued to track the status of those items identified as having a potential impact on the issuance of an operating license for

Unit 1. Areas addressed included inspector identified items, construction deficiency reports, construction status, preoperational testing status, and operational preparedness.

Throughout the inspection period, the listing of open items was discussed with licensee management representatives on a continuing basis. Licensee management was encouraged to assure that their requests for license conditions regarding open items were consistent with those recommended by the inspector. The inspector also discussed the basis utilized for determination of the completion categorization of individual open items with licensee representatives.

No items of noncompliance or deviations were identified.

6. Followup of Previously Identified Items

(Closed) Open Item (327/78-39-33) Completion of the Lifetime Record Storage Facility. The inspector toured the lifetime record storage facility and found that construction was substantially complete. Revision 1 to SQN-DC-V-14.0, the design criteria specification for the facility, was reviewed and found to have been amended to allow exceptions permitting the use of a water sprinkler fire protection system and the routing of a building drain line through the facility. The inspector had no further questions in this area.

(Closed) Open Item (327/78-39-34) Record Inadequacies in the Master File. The inspector reviewed the facility microfilm index and the status of the microfilming effort of Master File QA records. The process of creating duplicate records for master file QA documents appears to be being performed in a timely manner consistent with the requirements of Administrative Instruction AI-7 requirements. The inspector had no further questions in this area.

(Closed) Open Item (327/78-39-40) Record Inadequacies in the Power Services Office Files. The inspector verified that the preventative maintenance records stored in the office were being maintained in one hour rated file cabinets as required by Administrative Instruction AI-7. The inspector had no further questions in this area.

7. Plant Tours

The inspector toured various areas of Unit 1 on September 6, 11, 14, 21 and 26. The tours were conducted such that all accessible plant areas were inspected at least once during this reporting period. The following activities were observed/ reviewed:

- a. Housekeeping practices
- b. Protection of installed instrumentation

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- c. Inplace storage of auxiliary feedwater and containment spray pumps.
- d. Ability to hear PA system announcements in plant areas.
- e. Fire prevention/protection measures for hot work.
- f. Posting of hold tags, caution tags and alteration tags.
- g. Measures to exclude foreign material from entry into clean systems.
- h. Unit operator and shift engineer log books.
- i. Condition of installed fire protection equipment.
- j. General shift operating practices.
- k. Access control for lifetime record storage facility.

No items of noncompliance or deviations were identified.

8. Independent Inspection Effort

The inspector routinely attended the morning scheduling and staff meetings during the reporting period. These meetings provide a daily status report on the construction and testing activities in progress as well as a discussion of significant problems or incidents associated with the construction, preoperational testing, and operations effort.

On September 7, 1979, the inspector discussed the anticipated assignment of an additional resident inspector to the Sequoyah facility with the Plant Superintendent. The inspector stressed that the additional resident would be in a training status for the first 9-12 months of his assignment and would be conducting inspection activities only under the supervision of a certified inspector.

On September 26, 1979, the inspector toured the Unit 1 facility with the TVA Board of Directors, the Governor of the State of Tennessee, and members of their parties. The inspector participated in a general discussion of the resident inspection program and the status of emergency preparedness in response to questions from the Governor and the TVA Directors.

The inspector provided assistance to and coordinated the inspection activities of those NRC personnel listed in Section 1 during their visits to the facility in this reporting period.

No items of noncompliance or deviations were identified.

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9. Movement of Special Nuclear Material

The inspector witnessed the transfer of three new fuel assemblies from the new fuel storage vault to the spent fuel pool on September 21. This transfer was part of the licensee's program to move all Unit 1 new fuel assemblies into the spent fuel pool to allow for receipt and storage of the Unit 2 new fuel assemblies in the new fuel storage vault.

Prior to the commencement of the transfer, the inspector verified the following:

- a. Security provisions were established prior to the removal of the fuel storage covers.
- b. Radiological control zones were posted.
- c. The prerequisites in Fuel Handling Instruction 1 and 15 were completed.
- d. Fuel assembly transfer form had been approved by the Plant Superintendent.
- e. The appropriate slings, hooks, and shackles used to handle fuel assemblies were inspected.
- f. The Assistant Shift Engineer in charge of the fuel transfer was knowledgeable of the requirements of the 10 CFR 70 license.

The inspector noted that the spent fuel handling tool and the BPR handling tool permanent storage locations were on brackets mounted on the sidewalls of the spent fuel pool. The inspector was unable to locate any documentation onsite relative to the capability of the storage brackets to prevent the tools from falling into the spent fuel pool during a seismic event and potentially damaging spent fuel assemblies. This item will be reviewed in a subsequent inspection period (321/79-56-01).

No items of noncompliance or deviations were identified.

10. Followup on Incidents/Allegations

The inspector reviewed licensee's response to the threat of a civil disturbance received in an anonymous phone call on September 10. The inspector found that appropriate levels of management had been promptly informed, an increased state of security alertness had been initiated, and local law enforcement officials had been notified. The inspector had no further questions regarding the incident.

The inspector conducted an investigation in response to an allegation received on September 12, regarding the radiological contamination of a licensee construction worker. The inspectors' investigation did not reveal any incident involving personnel contamination at the facility nor was any

plant condition found in which any such incident would have likely occurred. The inspector documented his investigation in a memorandum to Region II management representatives.

No items of noncompliance or deviations were identified.

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