



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

Report Nos.: 50-327/78-30 and 50-328/78-22

Docket Nos.: 50-327 and 50-328

License Nos.: CPPR-72 and CPPR-73

Categories: A3, A2

Licensee: Tennessee Valley Authority  
830 Power Building  
Chattanooga, Tennessee 37401

Facility Name: Sequoyah Nuclear Plant, Units 1 and 2

Inspection at: Daisy, Tennessee

Inspection Conducted: September 19-21, 1978

Inspector: P. K. VanDoorn

Reviewed by:

*T. E. Conlon*

T. E. Conlon, Chief  
Engineering Support Section No. 2  
Reactor Construction and Engineering  
Support Branch

*10/25/78*  
Date

Inspection Summary

Inspection on September 19-21, 1978 (Report Nos. 50-327/78-30 and 50-328/78-22) Areas Inspected: Routine unannounced inspection of reactor coolant pressure boundary piping welding quality records; safety-related structures welding quality records. The inspection involved 22 inspector-hours on site by one NRC inspector.  
Results: Of the two areas inspected, no items of noncompliance or deviations were identified.

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DETAILS I

Prepared by:

P. K. VanDoorn  
P. K. VanDoorn, Metallurgical Engineer  
Engineering Support Section No. 2  
Reactor Construction and Engineering  
Support Branch

10/23/78  
Date

Dates of Inspection: September 19-21, 1978

Reviewed by:

T. E. Conlon  
T. E. Conlon, Chief  
Engineering Support Section No. 2  
Reactor Construction and Engineering  
Support Branch

10/24/78  
Date

1. Persons Contacted

a. Tennessee Valley Authority (TVA)

- \*G. G. Stack, Project Manager, Construction
- \*L. W. Jones, Welding Inspection Unit Supervisor
- \*R. W. Farrell, QC Records Unit Supervisor
- \*J. M. Munns, Supervisor, Construction QA
- \*E. C. Pendergrass, QC Records Unit
- D. W. Kelley, QC Records Unit

\*Denotes those present at the exit interview.

2. Licensee Actions on Previous Inspection Findings

Actions on previous inspection findings were not inspected during this inspection.

3. Unresolved Items

No unresolved items were identified during this inspection.

4. Independent Inspection Effort

The inspector conducted a walk-through inspection of the containment and auxiliary buildings to observe construction progress and construction activities such as welding, material handling, housekeeping and storage.

No items of noncompliance or deviations were identified.

5. Reactor Coolant Pressure Boundary Piping (Welding) - Review of Quality Records

The applicable code for reactor coolant pressure boundary piping welding is the ANSI Standard B31.7, 1968 Edition and the 1970 Addenda. The inspector observed welding quality records to determine if Code, NRC, and SAR requirements were being met. Areas reviewed included inspection records, weld history records, NDE records, weld repair records (as applicable), welding material issue, welder qualification records, and inspector qualification records. The inspector also reviewed 14 nonconformance reports for Unit 1 and 8 nonconformance reports for Unit 2 related to reactor coolant pressure boundary pipe welding to determine if records were complete, legible, retrievable and properly closed out. Specific welds reviewed were as follows:

a. Unit 1

<u>Weld Number</u>	<u>Size</u>
RC-1-1	29"
RCS-1-14	4"
RCS-1-19	4"
RC-1-22	31"
RC-1-23	27.5"
RC-1-34	14"

b. Unit 2

<u>Weld Number</u>	<u>Size</u>
RC-2-34	14"
RC-2-35	14"
RC-2-30	31"
RC-2-24	27.5"
2-SI-182	10"
2-CX-168	3"

No items of noncompliance or deviations were identified.

6. Safety-Related Structures (Welding) - Review of Quality Records

The inspector reviewed QA audits related to the general area of safety-related structures and supports and management review of these audits. Deviations identified by these audits were reviewed to determine if proper, timely and adequate corrective action was taken. Specific audits reviewed were M77-01, G77-02, W78-01, G78-04, G78-08 and G78-12. The inspector also reviewed nonconformance reports related to safety-

related welding of structures and supports to determine if records were complete, legible, retrievable and properly closed out. Specifically reviewed were Nonconformance Report Nos. 320 and 1051 for Unit 1, 187 and 325 for Unit 2, and 303 which was common to both units.

No items of noncompliance or deviations were identified.

7. Exit Interview

The inspector met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection. The inspector summarized the scope and findings of the inspection.