

U. S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

REGION IV

Report No. 50-445/79-30

Docket No. 50-445

Category A2

Licensee: Texas Utilities Generating Company
2001 Bryan Tower
Dallas, Texas 75201

Facility Name: Comanche Peak, Unit 1

Inspection at: Comanche Peak Site, Glen Rose, Texas

Inspection conducted: December 17-18, 1979

Inspector: *R. E. Hall* 1/9/80
for D. P. Tomlinson, Reactor Inspector, Engineering Support Section Date

Approved: *W. A. Crossman* 1/9/80
W. A. Crossman, Chief, Projects Section Date

R. E. Hall 1/9/80
R. E. Hall, Chief, Engineering Support Section Date

Inspection Summary:

Inspection on December 17-18, 1979 (Report No. 50-445/79-30)
Areas Inspected: Routine, unannounced inspection of construction activities including site tour; review of procedures for preservice inspection, Unit 1; observation of work; review of inspection records and interviews with inspection personnel. The inspection involved sixteen inspector-hours by one NRC inspector.
Results: In the areas inspected, no items of noncompliance or deviations were identified.

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DETAILS

1. Persons Contacted

Principal Licensee Personnel

*R. G. Tolson, TUGCO, Site QA Supervisor

The IE inspector also interviewed other licensee and contractor personnel during the course of the inspection.

*Denotes attendance at the exit interview.

2. Review of Procedures for Preservice Inspection

The IE inspector reviewed six Westinghouse procedures currently being used in the performance of the preservice inspection of Unit No. 1. This review was to assure that the procedures were in accordance with ASME B&PV Code, Section XI, and the commitments described in the PSAR. Because this phase of the inspection was limited in scope and covered only a portion of the total preservice requirements, only those documents in use at this time were examined.

Procedures reviewed were:

ISI-8 (Rev. 7)	Visual Examination Procedure
ISI-11 (Rev. 9)	Liquid Penetrant Examination Procedure
ISI-47 (Rev. 2)	Manual Ultrasonic Examination of Circumferential and Longitudinal Butt Welds in Ferritic Vessels of 2½" Thick and Greater
ISI-205 (Rev. 2)	Manual Ultrasonic Examination of Full Penetration Circumferential and Longitudinal Butt Welds
NSD-ISI-10 (Rev. 4)	Preservice and Inservice Examination Manual Ultrasonic Equipment Qualification
OPS-NSD-101 (Rev. 5)	Preservice and Inservice Inspection Documentation

No items of noncompliance or deviations were noted during this portion of the inspection.

3. Observation of Work Activities During Preservice Inspection

The IE inspector verified that the personnel qualification records for the preservice inspection team were complete and in accordance with the requirements of SNT-TC-1A. Records of written and practical tests were reviewed along with the results of each inspector's vision examination to assure compliance and currentness. This review covered only the records for the Level II and I inspectors. The records for the responsible Level III inspector were not available. The IE inspector also interviewed each of the four inspectors on site to assure that each had sufficient knowledge of the test methods employed to adequately and reliably perform these inspections.

The IE inspector reviewed the certifications for the two ultrasonic calibration standards being used along with the records for the ultrasonic instruments, transducers and couplant. The actual calibration of the ultrasonic equipment was witnessed prior to inspection as was one periodic check and the post-inspection calibration verification.

The IE inspector accompanied the inspection team to the job site and witnessed the ultrasonic inspection of five circumferential piping welds on the No. 3 Reactor Coolant Loop. These joints were No. 5, 6, 8, 11 and 13 as identified on drawing No. TBX-1-4300. As this was a partial and preliminary inspection, only the longitudinal beam was employed. Shear wave inspection will be performed on these welds at a later date.

No items of noncompliance or deviations were noted during this portion of the inspection.

4. Data Review and Evaluation

The IE inspector reviewed the available records for the partial preservice inspection performed on Reactor Coolant Loops No. 1 and 3 and for the welds inspected on the pressurizer. This review was conducted to verify that the inspection records included all pertinent and required data such as dates, personnel, equipment used, areas inspected, extent of inspection, methods used, procedures used and the results of the inspections. These results covered only the visual, liquid penetrant and longitudinal ultrasonic inspection of the pressurizer welds and piping welds identified on Drawings No. TBX-1-2100, TBX-1-4100 and TBX-1-4300. Several of the piping welds exhibited rejectable conditions when inspected visually or by the liquid penetrant method and were therefore not inspected ultrasonically pending disposition of these anomalies.

No items of noncompliance or deviations were noted during this portion of the inspection.

5. Exit Interview

The IE inspector met with the licensee representative (denoted in paragraph 1) and with the NRC Resident Reactor Inspector at the conclusion of the inspection on December 18, 1979. The IE inspector summarized the purpose, scope and findings of the inspection. The licensee representative acknowledged the statements by the inspector.