

APPENDIX

U.S. NUCLEAR REGULATORY COMMISSION
REGION IV

NRC Inspection Report: 50-445/90-12
50-446/90-12

Operating License: NPF-28
Construction Permit: CPPR-127

Dockets: 50-445
50-446

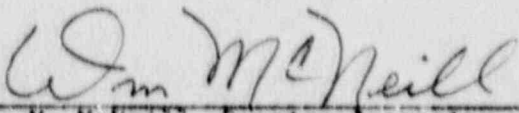
Licensee: TU Electric
Skyway Tower
400 North Olive, L.B. 81
Dallas, Texas 75201

Facility Name: Comanche Peak Steam Electric Station (CPSES)

Inspection At: CPSES, Glen Rose, Somervall County, Texas

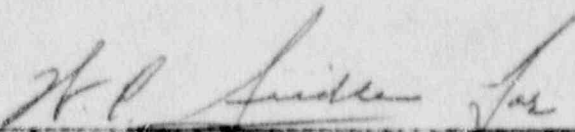
Inspection Conducted: April 2-6, 1990

Inspector:


W. M. McNeill, Reactor Inspector, Materials
and Quality Programs Section, Division of
Reactor Safety

5/1/90
Date

Approved:


J. Barnes, Chief, Materials and Quality
Programs Section, Division of Reactor Safety

5/1/90
Date

Inspection Summary

Inspection Conducted April 2-6, 1990 (Report 50-445/90-12)

Areas Inspected: Routine, unannounced inspection of the quality assurance programs for maintenance; surveillance testing and calibration controls; and tests and experiments.

Results: The quality assurance program for maintenance was found to be satisfactory. The inspector noted, however, that a number of audit findings had been identified in this area, which would suggest additional licensee attention is warranted. The quality assurance program for surveillance testing and calibration controls was found to be satisfactory. One problem was noted in the area of calibration controls which was addressed on a "ONE FORM" by the licensee. The problem dealt with an electrostatic voltmeter used in the surveillance of the source range power supplies and was identified as a

noncited violation. It was additionally ascertained that tests and experiments (falling within the scope of the inspection procedure) were not scheduled to be performed.

Inspection Conducted: April 2-6, 1990 (Report 50-446/90-12)

Areas Inspected: No inspection of Unit 2 was conducted.

Results: Not applicable.

DETAILS

1. PERSONS CONTACTED

TU Electric

- *O. Bhatti, Issue Interface Coordinator
- R. C. Byrd, Quality Control Manager
- *W. J. Cahill, Executive Vice President
- M. A. Cox, Assistant Mechanical Maintenance Manager
- R. L. Green, Lead Metrology Technician
- L. D. Gunnels, Lead Electrical Maintenance Planner
- N. S. Harris, Quality Specialist
- *T. L. Heatherly, Licensing Compliance Engineer
- *J. C. Hicks, Licensing Compliance Manager
- D. N. Hood, Compliance Supervisor
- W. C. Jones, Instrument and Control (I&C) Supervisor
- *G. J. Laughlin, I&C Manager
- S. M. Lehman, Quality Specialist
- F. M. Martin, I&C Supervisor
- *D. M. McAfee, Quality Assurance (QA) Manager
- F. P. Miller, QA Specialist
- D. Noss, Licensing Engineer
- *M. D. Palmer, Performance Assessment Supervisor
- *S. S. Palmer, Project Manager
- J. D. Roarty, QA Engineer
- G. R. Ross, Quality Specialist
- W. B. Sly, Assistance I&C Manager
- R. F. Towery, Quality Specialist
- A. H. Saunders, Quality Technical Support Manager
- *J. C. Smith, Plant Operations Staff
- S. J. Sommer, Quality Technical Support Coordinator
- *J. F. Streeter, QA Director
- W. G. Westhoff, Quality Operations Manager

CASE

- *E. F. Ottney, Program Manager
- *H. S. Phillips, Consultant

NRC

- *W. D. Johnson, Senior Resident Inspector
- J. S. Wiebe, Senior Project Inspector

*Denotes those attending the exit interview conducted on April 6, 1990.

The inspector also interviewed other TU Electric personnel during the inspection.

2. QUALITY ASSURANCE PROGRAMS FOR MAINTENANCE, SURVEILLANCE TESTING AND CALIBRATION CONTROLS, AND TESTS AND EXPERIMENTS

The objectives of this inspection were to ascertain whether the licensee has developed and implemented QA programs relating to maintenance activities, surveillance testing and calibration controls, and tests and experiments that are in conformance with Technical Specifications, regulatory requirements, commitments in the application and industry guides or standards.

2.1 Maintenance (35743)

The inspector reviewed a sample of recently completed preventive and corrective maintenance work requests. The sample was the following:

P890005539	C880003610	C900001219
P900000148	C890016929	C900001415
P900000418	C900000947	

It was verified that the work orders and the associated procedures were properly initiated, reviewed, and approved; instructions were followed and signed off; inspections were documented as required; and materials and equipment used were identified. In addition, the latest audit (QAS-89-28A) and the six QA program surveillances performed and documented this year were reviewed by the inspector (OAS-90-413, 415, 425, 442, 445, and 456). The inspector noted that the auditing of maintenance activities had identified a number of findings, which would suggest additional licensee attention is warranted in this area.

2.2 Surveillance Testing and Calibration Controls (35745)

2.2.1 Surveillance Testing

The inspector reviewed a sample of 16 surveillances performed recently. The sample was the following:

S890000227	S900000132	S900000461
S890000597	S900000252	S900000486
S890000860	S900000269	S900000604
S890001199	S900000277	S900000737
S890001345	S900000292	
S890001529	S900000399	

These surveillances were verified to have been entered in the "Master Maintenance Computer Program" and the "Master Surveillance Test List." The records for 13 of these surveillances had been completed and filed in the vault. The records of the 13 were reviewed in detail to assure proper review and approval of the surveillance work order and test procedures; completion and sign off of applicable steps; revisions of work orders and procedures were appropriate; the frequencies of surveillances were as required; and post test reviews were completed and test results were properly dispositioned. In addition, the inspector reviewed four "Technical Specification Assurance Program" audits (QAA-90-004, 005, 009, and 010) and two QA program

surveillances (QAS-90-437 and 449) that have been performed and documented so far this year. The surveillance program as defined in STA-702 has not changed since last inspected except for the addition of a provision to "take credit" for start-up testing activities as the initial surveillance testing in certain cases.

2.2.2 Calibration Controls

The inspector reviewed a sample of six instruments identified in the surveillance testing referenced earlier in paragraph 2.2.1. The sample of instruments and their associated work orders was as follows:

<u>Instrument</u>	<u>Work Order</u>
IC 1839	S900000461
IC 2132	S900000292
IC 2591	S900000132
IC 2815	S890000597
IC 3810	S900000486
IC 8422	S900000269

These instruments were verified to be in the calibration program and controlled properly. The inspector verified that the calibration has been performed as required and documented. In addition, the last audit (TUG-89-15) and this year's QA program surveillances (QAS-90-435 and 438) were reviewed by the inspector. The inspector found the calibration program was as defined in STA-608. The most significant change since the last inspection was the consolidation of calibration activities for issuance and calibration under one group (I&C).

One problem was discovered during this inspection pertaining to an electrostatic voltmeter that had been used for the source range channel calibration. The instrument had been designated for "limited use" after the channel calibration surveillance. It was noted that the instrument had been used before this disposition during the surveillance beyond the "limited use" range. The instrument had been dispositioned "limited use" because the low end (e.g., 900 VDC range) could not be calibrated to the required tolerance. There was no evaluation of the then questionable use of this instrument for this range.

The licensee identified this problem on "ONE FORM" FX-90-1368. Corrective actions and preventive actions were established and implemented during the inspection. The source range surveillance was reviewed and found to be acceptable even though the voltmeter used was not as accurate in the lower range as required. The surveillance procedure was changed to not require use in the lower range. A review is under way to identify if there are any similar cases in addition to this. The metrology Procedure STA-608 will be revised to require a review to be performed in future cases similar to this. A Notice of Violation is not being issued because the criteria of Section V.A. of the NRC's Enforcement Policy have been met.

2.3 Tests and Experiments (35749)

The inspector found that there have been no tests and experiments performed other than those described in the safety analysis report. The tests and experiments described in the safety analysis report are beyond the scope of this inspection module. In that there are no tests and experiments scheduled within the scope of this module, this inspection module will be closed.

3. EXIT INTERVIEW

An exit meeting was held April 6, 1990, with personnel indicated in paragraph 1 of this report. At this meeting, the scope of the inspection and the findings were summarized. The licensee did not identify as proprietary any of the information provided to, or reviewed by, the inspector.