

TEXAS UTILITIES GENERATING COMPANY
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JOHN W. BECK
MANAGER-LICENSING

February 15, 1985

Director of Nuclear Reactor Regulation
Attention: Mr. B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION
DOCKET NOS. 50-445 AND 50-446
ENVIRONMENTAL QUALIFICATION OF SAFETY
RELATED MECHANICAL EQUIPMENT IN POTENTIALLY
HARSH ENVIRONMENTS

REF: Submittal from John W. Beck dated
January 10, 1985 (TXX-4392)

Dear Sir:

The referenced letter was inadvertently transmitted without Attachment 2, a summary description of the NSSS mechanical equipment qualification program. The omitted summary description is hereby submitted.

Sincerely,

Dr. Woodlan for

John W. Beck

DRW:tls
Attachment

Distribution: Original + 40 copies

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ATTACHMENT 2 TO TXX-4392

SUMMARY DESCRIPTION OF NSSS MECHANICAL EQUIPMENT QUALIFICATION PROGRAM

1.0 SCOPE

W has provided an evaluation of the environmental qualification for safety related mechanical equipment as defined. The evaluation includes a final report which encompasses all equipment evaluated.

2.0 EQUIPMENT DESCRIPTION

The equipment evaluated was limited to the equipment supplied by W on the base NSSS contract and was defined as all Class 1, 2, and 3 mechanical equipment which must perform an active safety-related function following a design basis accident and is located in a potentially harsh environment due to that accident, and as valves which form part of the Reactor Coolant Pressure Boundary or the Containment Pressure Boundary.

3.0 EVALUATION DESCRIPTION

A technical evaluation of each mechanical component as defined above was performed. This evaluation included:

- 3.1 Each component was reviewed and the associated nonmetallic parts identified. The review was performed using the current drawings and specifications on file at W as of March 14, 1984.
- 3.2 Each nonmetallic part was then evaluated as to the part's criticality to the overall component function. Critical parts are defined as those parts whose integrity must be maintained under the specified environmental conditions for the equipment to satisfactorily perform its intended safety function.

- 3.3 The critical parts were then evaluated based on material capabilities, which were identified, versus the plant specific postulated environments for each component.

4.0 REPORT DESCRIPTION

The report includes:

- a.1 A list of all components reviewed.
- a.2 A listing of the environments specified in the applicable W equipment specification.
- a.3 A list of equipment drawing numbers and revisions, purchase order numbers and applicable E-spec numbers and revisions.
- b. A listing of nonmetallic noncritical parts, and materials.
- c. A technical evaluation of all critical part material capabilities.
- d. An evaluation of the material capabilities versus the plant specific environments.
- e. A list of references.

5.0 PROPRIETARY DATA

It was necessary in the course of this evaluation to make reference to data which has been generated through the W full sequence qualification testing. This data was reviewed by the NRC and is proprietary to W. The reports are on file at W for audit purposes.

6.0 REVIEW BY TUGCO

Prior to final issue of the qualification report, TUGCO reviewed the report for technical content and to assess the report against the planned maintenance and surveillance schedules.

7.0 CONCLUSION

The evaluation has been completed and the final report has been prepared, reviewed and accepted. All the equipment within the scope of this evaluation was found acceptable. No problems were identified as a result of this evaluation that required corrective action (e.g., equipment or material replacement) before the equipment could be accepted. The final report has been incorporated into the auditable files for the Comanche Peak Steam Electric Station.