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JAN 24 1984

w/enclosure

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Docket Nos.: 50-445
and 50-446

Mr. R. J. Gary
Executive Vice President
and General Manager
Texas Utilities Electric Company
2001 Bryan Tower
Dallas, Texas 75201

Dear Mr. Gary:

Subject: SER Unresolved Issues Requiring Resolution Prior to Licensing
Comanche Peak Steam Electric Station Unit 1

Enclosed is a list of Comanche Peak SER Issues which need to be resolved prior to licensing of Unit 1. The list is a compilation of all issues, with those requiring your response noted by asterisk. The list also identifies Technical Specifications which need to be settled as well as new issues raised by the NRC staff (not yet covered in the SER) and your staff. We will advise if further action on your part will be necessary for those issues currently being reviewed by the NRC staff.

It is essential that you respond to the issues noted by asterisk not later than 60 days prior to licensing. In view of the short time remaining before your scheduled licensing date, your immediate attention to this matter is urged.

Please have your staff advise S. Burwell (492-7563) or John Stefano (492-7037) of my staff of your estimated dates for responding to the issues noted by asterisk, or if they have any questions or clarifications regarding the enclosed list.

Sincerely,

8402060568 840124
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E PDR

cc: See next page

Enclosure:
As stated

CONCURRENCES:

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JStefano:es
1/27/84

Original signed by:

B. J. Youngblood
B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing

DL:LB#1
B. J. Youngblood
1/27/84



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

JAN 24 1984

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and 50-446

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Executive Vice President
and General Manager
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2001 Bryan Tower
Dallas, Texas 75201

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Sincerely,

R. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing

Enclosure:
As stated

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Executive Vice President and
General Manager
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COMANCHE PEAK STEAM ELECTRIC STATION
UNRESOLVED ITEMS

A. Outstanding SER Issues (*requires applicant action)

ISSUE	APPLICANT TRANSMITTAL	COMMENT
1. Pipe-break damage analysis for high-and moderate-energy pipes outside containment (SER 3.6.2, 9.3.3, 10.4.9)	TXX-4048 dtd 9/13/83; FSAR Amend 40	NRC review completed; disposition will be submitted separately.
*2. Seismic/dynamic qual. of mech./elect. equip. (SER 3.10)	TXX-4050 dtd 9/16/83; FSAR Amend 42-45	Req. ident. of items on which EQ will not be completed prior to Unit 1 licensing with justifications.
*3. Environmental qual. of safety-related elect. equip. (SER 3.11)	TXX-4059 dtd 10/6/83; FSAR Amend 36-45	Req. qual. of mech. equip per NRC ltr dtd 12/16/83; ident. of items on which EQ will not be completed prior to Unit 1 licensing with justifications.
*4. a. Alternate safe shutdown sources range power meter/cold leg temp. meter at RSP (SER 7.4.2, 8.4.6, 9.5.1.5; SSER #1 9.5.1.8)	Conf. call on 11/7/83 re appeal by PM; req. formal response to NRC position in ltr dtd 10/27/83.	NRC ltr dtd 10/27/83; mtg being coordinated
4. b. Conformance with App. R	TXX-4019 dtd 8/5/83	NRC review completed; disposition will be submitted separately.
5. TMI Action Plan Items (SER 22)		
. I.C.1 - Guidance for eval & development of procedures for transients and accidents	TXX-4022 dtd 8/10/83; FSAR Amend 42	NRC preparing questions to be submitted separately.

COMANCHE PEAK STEAM ELECTRIC STATION
UNRESOLVED ITEMS

ISSUE	APPLICANT TRANSMITTAL	COMMENT
. I.C.8 - Pilot monitoring of selected EP's for near-term OL applicant's	TXX-4022 dtd 8/10/83; FSAR Amend 42 separately.	NRC preparing questions to be submitted
. I.D.1 - Control room design review	---	Need response on deferred items & and completion of items for DCRDR, SSER 4 Sect. 22; Under review
. II.F.2 - Instrumentation for detection of ICC	TXX-4086 dtd 1/3/84; FSAR Amend 38	Under review
*. III.A.1.2 - Upgrading emergency support facilities	---	Req. Rev. 8 to Emergency Plan (provided 1/84) including FEMA findings
*. III.A.2 - Improving licensee emergency preparedness	---	Same as III.A.1.2
B. <u>Confirmatory SER Issues</u> (*require applicant action)		
1. Staff review of WECAN computer programs incomplete (SER 3.9.1)	FSAR acceptability to CPSES	NRC reviewing
2. Dynamic analysis for asymmetric loads on reactor coolant system (SER 3.9.2.3)	FSAR Amend 45	Under review
3. Periodic leak testing of pressure isolation valves (SER 3.9.6)	Draft Tech Specs.	NRC needs to confirm that proposed Tech. Spec. 3.4.6.2 LCO & 4.4.6.2.2 satisfies criteria given in SSER #1; under review

COMANCHE PEAK STEAM ELECTRIC STATION
UNRESOLVED ITEMS

ISSUE	APPLICANT TRANSMITTAL	COMMENT
*4. Preservice & inservice inspect. programs conforming with 10CFR 50.55a(g) (SER 5.2.4.1, 6.6.1 for Unit 1; SER 5.2.4.2, 6.6.2 for Unit 2)	FSAR Amend 42; TXX-	Must identify all plant-specific areas where Code req'ts cannot be met when preservice exam. are completed with supporting tech. justification and relief requests for NRC review and approval.
*5. Fracture-toughness properties for Unit 2 RV materials (SER/SSER #1 5.3.1.2, 5.3.1.3, 5.3.2, 5.3.3)	---	Not required for Unit 1 licensing; TU expects to submit by 9/84
*6. Prevention of flow-induced tube failure in Model D-4 & D-5 SG's (SSER #3/#4 5.4.22; SSER #4 App. H)	---	Need info on vibration test program for expanded tubes.
7. SG reference leg temp compensation & low-low SG level setpoint per IE Bulletin 79-21 (SER 7.3.2.2)	FSAR Amend 36	Under review
8. Confirmation of procedure review per IE Bulletin 79-27 (SER 7.5.4)	FSAR Amend 38	Under review
9. Handling of heavy loads in conformance with the guidelines of NUREG-0612 (SSER #1 9.1.4)	TXX-3659 dtd 6/8/83; FSAR Amend 41; TXX-4079 dtd 11/21/83 (polar crane test deviation request).	Under review
10. Documentation of applicant's commitments on fire protections (SER 9.5)	---	Under review
11. TMI Action Plan Items (SER 22)		

COMANCHE PEAK STEAM ELECTRIC STATION
UNRESOLVED ITEMS

ISSUE	APPLICANT TRANSMITTAL	COMMENT
. I.C.2 - Shift & relief turnover procedures	TXX-3645 dtd 3/16/83	Under review
. I.C.5 - Procedures for feedback of operating experience to plant staff	TXX-3626 dtd 12/18/83	Under review
. I.G.1 - Special low-power testing and training		NRC review completed; disposition will be submitted separately.
. II.B.1 - Reactor coolant system vents	FSAR Amend 38	Under review
. II.D.1 - Performance testing of BWR & PWR relief and safety valves	FSAR Amend 40	Under review
. II.E.1.1 - Recommendation GL-3: verification test of capability of turbine-drive in AFW pumps to operate for two hours without ac power	---	Under review
. II.E.4.2 - Containment isolation dependability	TXX-3552 dtd	Under review 7/26/82
. II.K.2.13 - Thermal-mechanical report -- effect of hi-pressure injection on vessel integrity for small-break LOCA accident with no aux. feedwater	FSAR Amend 38	Under review
. II.K.2.17 - Potential for voiding in reactor coolant system during transients	FSAR Amend 38	Under review
. II.K.3.1 - Installation & Test of auto. PORV isolation system	FSAR Amend 22	Under review

COMANCHE PEAK STEAM ELECTRIC STATION
UNRESOLVED ITEMS

ISSUE	APPLICANT TRANSMITTAL	COMMENT
. II.K.3.2 - Report on overall safety effect of PORV isolation system	FSAR Amend 22	Under review
. II.K.3.5 - Auto trip of reactor coolant pumps during LOCA (Generic Letter 83-10c dtd 2/8/83)	TXX-3654 dtd 4/11/83	Under review
. II.K.3.11 - Justification of use of certain PORV's	See II.K.3.2	See II.K.3.2
. II.K.3.30 - Revised small break LOCA methods to show compliance with 10CFR50, App. K	FSAR Amend 38	Under review
. II.K.3.31 - Plant Specific calculations to show compliance with 10CFR 50.46	See II.K.3.30	See II.K.3.30
C. <u>SER License Conditions</u> (*requires applicant action)		
2. The applicant must implement the secondary water monitoring & Control program proposed by applicant (SSER #1 5.4.3.2)	Ltr dated 7/18/83	Review complete; disposition will be submitted separately
*3. The bore and keyways of the low-pressure turbine discs must be inspected for cracks during first refueling outage (SER 10.2.2)	TXX-4008 dtd 7/18/83	Review complete; ltr in preparation; TU will need to provide further response
5. Restrictions on operating in manual control above 90% power (SSER#3 15.2.3)	FSAR Amend 42; Sect. 15.4.3 (pp. 15-16 thru 15-25)	Under review
6. TMI Action Plan Item II.B.3- Postaccident sampling capability (SER 22)	TXX-4083 dtd 12/8/83	Review complete; disposition tube submitted separately.

COMANCHE PEAK STEAM ELECTRIC STATION
UNRESOLVED ITEMS

ISSUE	APPLICANT TRANSMITTAL	COMMENT
D. <u>Technical Specification</u> (*requires applicant action)		
*1. Heatup & cooldown curves	---	Response needed to NRC ltr dtd 12/9/83
2. Turbine valve testing - overspeed protection system	TXX-4039 dtd 9/1/83	Under review
*3. Protection system setpoint methodology		Need response to NRC ltr dated 12/16/83
4. Flow uncertainty factors using N-16 flow calibrations	West Topical Report	Under review
*5. Environmental Protection Plan		Draft findings to be submitted for comment by TU
E. <u>New Issues Raised by NRC</u> (*requires applicant action)		
*1. SG tube rupture - isolation of SG within 30 minutes (follow-on to Ginna accident)	---	Questions being proposed for submittal to TU for response.
2. Hafnium rods surveillance program	---	NRC in process of deciding if should be license condition for CPSES similar to that imposed on Wolf Creek
3. CPSES conformance with R.G. 1.97, Rev. 2	TXX-4068 dtd 10/24/83; FSAR Amend 45 (resp. to Q 032.110)	Under review
*4. Listing of omitted vital items in Security Plan	---	Need response to NRC ltr dtd 11/25/83
*5. Concerns relating to TDI diesel generator reliability	---	Need response to NRC ltr dtd 12/28/83

COMANCHE PEAK STEAM ELECTRIC STATION
UNRESOLVED ITEMS

ISSUE	APPLICANT TRANSMITTAL	COMMENT
F. <u>New Issues Raised by TU</u> (*requires applicant action)		
*1. New organization effective 1/84 needs to be documented in FSAR for staff review	---	TU committed to doc. by 1/31/84
*2. Leak-before-break exemption permitting omission of jet shields for breaks in reactor coolant loops	TXX-4069 dtd 10/31/83	Formal request required requesting exemption to Appendix A, GDC-4
3. Cygna IAP	Cygna ltr dtd 11/5/83	Cygna needs to revise statement of conclusions (NRC ltr dtd 1/9/83); Review in progress