

February 10, 2004

LICENSEE: TXU Energy

FACILITY: Comanche Peak Steam Electric Station, Units 1 and 2

SUBJECT: SUMMARY OF FEBRUARY 4, 2004 MEETING WITH TXU ENERGY TO DISCUSS THE PLANS FOR DIGITAL MODIFICATIONS FOR THE COMANCHE PEAK STEAM ELECTRIC STATION (CPSES), UNITS 1 AND 2, DIESEL GENERATORS

On February 4, 2004 the U. S. Nuclear Regulatory Commission (NRC) staff met with representatives of TXU Energy (TXU, licensee) to hear TXU's briefing on its plans for the emergency diesel generator (EDG) exciter replacement project. Enclosure 1 is a list of meeting attendees.

The TXU staff briefed the NRC staff on its activities regarding its planned safety related EDG exciter replacement project. Specifically, TXU discussed the digital portion of the design for which it has performed a safety evaluation pursuant to 10 CFR 50.59. The licensee provided an overview of the existing design and the proposed new design incorporating the new digital components. The licensee's viewgraphs are included as Enclosure 2.

The licensee stated that the current system is old, has had several failures, and requires extensive maintenance to keep it operating. The new system is a Siemens Thyripart, Static Compound Excitation system. The digital system has a fail-safe back-up via the magnetic portion of the system, self-diagnostic and fault recording provision, and several other improvements listed in the Enclosure 2.

The licensee stated that the proposed digital modification meets the requirements of the Institute of Electrical and Electronic Engineers (IEEE) 7-4.3.2 and Electric Power Research Institute's (EPRI) commercial grade dedication guidelines for use of safety-related application equipment. The design configuration will be managed by the Appendix B vendor, (Framatome ANP) who is responsible for 10 CFR Part 21 requirements.

The licensee provided the results of its testing. The system has been operationally tested under 130°F ambient temperature for a 7-day period and has been demonstrated operable under worst-case environmental conditions. A seismic operational test was conducted using the CPSES seismic spectra for the EDG building to demonstrate that equipment would remain operable under a worst-case seismic event. TXU stated that testing demonstrated that equipment fully met the new NRC Regulatory Guide 1.180 and EPRI TR-102323 guidelines. Testing also demonstrated that the equipment will not emit high or low frequency emissions that could interfere with plant equipment and operation.

The licensee's analysis concludes that the dedicated commercial equipment, including the digital controller used in the safety-related application, is safe, reliable, and fault-tolerant. The licensee's 10 CFR 50.59 evaluation concludes that prior NRC approval for the modification is not required. The licensee stated that its safety analyses of digital modifications will be well documented and available for inspection.

Prior to adjournment, the NRC staff commended the licensee for a good presentation of its analyses, and expressed appreciation for the licensee's plans to maintain complete analyses at site for the NRC inspection.

/RA/

Mohan C. Thadani, Senior Project Manager, Section 1
Project Directorate IV
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-445 and 50-446

Enclosures: 1. List of Attendees
 2. Licensee's Viewgraphs

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DATE	2/10/04	2/9/04	2/10/04

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NRC MEETING WITH TXU ENERGY COMPANY
REGARDING DIGITAL MODIFICATIONS FOR CPSES, UNITS 1 AND 2

LIST OF ATTENDEES

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