

May 16, 1989

Docket No. 50-445
and 50-446

Mr. William J. Cahill, Jr.
Executive Vice President, Nuclear
Texas Utilities Electric Company
400 North Olive Street, Lock Box 81
Dallas, Texas 75201

Dear Mr. Cahill:

SUBJECT: AUDIT OF THE COMANCHE PEAK SAFETY PARAMETER DISPLAY SYSTEM

This is to confirm that we will conduct an audit of the Comanche Peak Safety Parameter Display System on June 6-7, 1989. Attached for your information is a tentative agenda for the upcoming audit.

Should you have any difficulties in supporting the agenda as we are proposing, please contact either of our project managers, Melinda Malloy at (301) 492-0738 or Mel Fields at (301) 492-0765, immediately.

Sincerely,

Original signed by

Christopher I. Grimes, Director
Comanche Peak Project Division
Office of Nuclear Reactor Regulation

Enclosure:
Tentative Audit Agenda

cc: See next page

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Mr. William J. Cahill

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TENTATIVE AUDIT AGENDA
FOR
SAFETY PARAMETER DISPLAY SYSTEM
AT
TEXAS UTILITIES ELECTRIC
COMANCHE PEAK NUCLEAR POWER PLANT, UNITS 1 AND 2
(June 6 and 7, 1989)

Tuesday, June 6, 1989

- 8:30 am Safety Parameter Display System (SPDS) entrance briefing
 - o SPDS Generic Letter status
 - o Previous NRC findings regarding Comanche Peak SPDS

- 9:00 am Licensee Presentation on SPDS program results

- 9:30 am Control Room Orientation

- 10:45 am SPDS Discussion
 - 1. Parameter selection
 - o Subcriticality
 - o Core Cooling
 - o Heat Sink
 - o Integrity
 - o Containment
 - o Inventory
 - o Radiation

 - 2. Continuous display of top level safety function information
 - o 2 mode displays
 - o 4 Emergency Response Guideline Summary Displays
 - o 15 Trend Graph Displays
 - o 6 Critical Safety Function Monitor Logic Tree Displays
 - o 6 Critical Safety Function Monitor Parameter Displays

 - 3. Concise display of safety function information
 - o Functional organization of safety function information
 - o Physical organization of displayed information

 - 4. Located convenient to control room operator
 - o Identification of specific SPDS users such as shift supervisor or shift Technical Advisor
 - o Demonstration that the SPDS location is convenient for the designated user during emergency operations

 - 5. High degree of reliability
 - o Software reliability
 - o Reliability

COMANCHE PEAK SPDS AUDIT (continued)

6. Designed incorporating human engineering principles
 - o Technical Information Content
 - o Technical Information Organization
 - o Operator/Display interface
7. Procedures and training
 - o Procedures and training for operation with SPDS
 - o Procedures and training for operation without SPDS
8. Electrical and electronic isolation from safety systems

12:30 pm Lunch

- 1:30 pm Operator interviews (Technical Support Center)
- o Shift Supervisor (30 minutes)
 - o Shift Technical Advisor (30 minutes)
 - o Training instructor (30 minutes)

- 3:30 pm Software documentation review
- o Core cooling critical safety function

5:00 pm End Day 1

Wednesday, June 7, 1989

- 8:30 am Evaluation of SPDS in control room
- o Verification of workspace location
 - o Comparison of SPDS parameter information to hardwired display information

10:00 am NRC Caucus

11:30 am Detailed technical issue discussion (NRC/Licensee)

12:30 pm Lunch

1:30 pm NRC/Licensee management exit