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September 15, 1988

William G. Council
Executive Vice President

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES)
DOCKET NOS. 50-445 AND 50-446
TRANSMITTAL OF SUPPLEMENT 3 TO THE HUMAN
FACTORS CONTROL ROOM DESIGN REVIEW FINAL REPORT

REF.: See Attachment

Gentlemen:

Reference 1 submitted the Human Factors Control Room Design Review Final Report for Comanche Peak. References 2 and 3, respectively, submitted Supplements 1 and 2 to that report. Supplement 3 is enclosed.

The Comanche Peak Detailed Control Room Design Review (DCRDR) was under active review by the regulatory staff during the time these reports were submitted. As a result of that ongoing review, the staff identified, in a series of NRC documents written in 1984 [4, 5, 6, 7], a number of items regarding the Comanche Peak Unit 1 DCRDR for which additional information was required. Supplement 3 addresses those items by providing:

- (a) the status of human engineering deficiencies (HEDs) requiring correction,
- (b) a review and update of the comparison of the function and task analysis results with the control room inventory,
- (c) verification that the design improvements implemented to correct HEDs accomplish the desired corrections and do not introduce new HEDs and,
- (d) a description of the ongoing program.

As you have already been advised, the remaining environmental surveys must await modifications to the control room lighting and ceiling and the installation of carpet in the main control board area. Once these activities have been completed, the environmental surveys will be performed and any HEDs that are identified will be assessed using the methodology of the ongoing Human Factors Engineering (HFE) program. The results of these environmental surveys will be provided in an additional supplement prior to Unit 1 fuel load.

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Except for the aspect identified above, Supplement 3 provides the additional information required by the NRC staff for licensing to proceed based on a full DCRDR.

The Unit 2 DCRDR involves a comparison with Unit 1 to assess design differences. The status of this activity is also reported in Supplement 3. An additional supplement providing the results of this comparison will be submitted prior to Unit 2 fuel load.

If you have any questions concerning the Comanche Peak DCRDR, we would be happy to meet with the appropriate members of your staff to provide a response.

Very truly yours,

W. G. Council

W. G. Council

By: *J. S. Marshall*
J. S. Marshall
Generic Licensing Manager

RLA/mlh
Attachment
Enclosures

c - R. D. Martin, Region IV
Resident Inspectors, CPSES (3)
J. Wilson, NRR-OSP (5)

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REFERENCES

1. R. J. Gary, "Transmittal of the Human Factors Control Room Design Review Final Report of Comanche Peak Steam Electric Station," letter (TXX-3588) dated December 15, 1982
2. R. J. Gary, "Transmittal of Supplement 1 to the Human Factors Control Room Design Review Final Report," letter (TXX-4129) dated March 8, 1984
3. H. C. Schmidt, "Transmittal of Supplement 2 to the Human Factors Control Room Design Review Final Report," letter (TXX-4207) dated June 29, 1984
4. B. J. Youngblood (NRC), "Status of Comanche Peak Steam Electric Station (Units 1 and 2) Control Room Design Review," letter to M. D. Spence dated August 13, 1984
5. B. J. Youngblood (NRC), "Results of NRC Staff Pre-Licensing Audit of the Control Room Design for Comanche Peak Steam Electric Station (Units 1 and 2)," letter to M. D. Spence dated August 27, 1984
6. B. J. Youngblood (NRC), "NRC Staff Control Room Design Review Report for the Comanche Peak Steam Electric Station (Units 1 and 2)," letter to M. D. Spence dated September 12, 1984
7. US NRC, "Safety Evaluation Report related to the operation of Comanche Peak Steam Electric Station, Units 1 and 2," NUREG-0797, Supplement No. 6, dated November 1984