February 25, 2004

Mr. Carl Corbin
TXU Energy
6322 N. FM Road 56
Glen Rose, TX 76043

Dear Mr. Corbin:

Per your request, enclosed is a compact disk containing the Large Early Release Frequency (LERF) Standardized Plant Analysis Risk (SPAR) model for Comanche Peak 1 & 2 with its associated documentation and the SAPHIRE 7.21 suite of PRA codes with its associated documentation. Version 7.21 of the SAPHIRE code suite is required to perform analyses with the LERF SPAR model. Also enclosed is a hard copy of the user's manual for the Comanche Peak 1 & 2 LERF SPAR model. The software for the LERF SPAR model and the SAPHIRE code suite is located in two separate file folders labeled, "LERF SPAR Model," and "SAPHIRE 7," respectively. The software package for the LERF SPAR model is in the form of a compressed (.zip) file from which you can extract the files comprising the model and its documentation to a separate file folder. The SAPHIRE software consists of an executable file that can be run directly from the compact disk. These items are for your organization's use only and are not to be distributed further without the consent of the NRC. Also please note that the information contained in the SPAR model is considered <u>sensitive</u> and should be treated accordingly.

These software packages are provided to facilitate the onsite QA review of the LERF SPAR model for Comanche Peak 1 and 2 with your PRA staff and the benchmarking of this model against your Level 2/LERF PRA, which will be scheduled later this year at your convenience. Until this review has been completed and the LERF SPAR model revised to address the comments generated during the review, the model is considered interim, and should be used by your staff analysts with appropriate discretion.

Questions about the LERF SPAR model should be directed to Dr. John Lehner, Brookhaven National Laboratory (BNL), at (631) 344-3921 (lehner@bnl.gov). Questions about the SAPHIRE code suite should be directed to Mr. Ted Wood, Idaho National Engineering and Environmental Laboratory (INEEL), at (208) 526-8729 (stw@inel.gov). Comments and suggestions may also be directed to either of these gentlemen or to Dr. Patrick O'Reilly, NRC project manager for SPAR model development, at (301) 415-7570 (pdo@nrc.gov).

If you are interested in receiving on-going technical support for SAPHIRE, you are invited to join the SAPHIRE Users' Group. Mr. John Schroeder, INEEL, at (208) 526-8755 (roe@inel.gov) can provide more details about the group and the services offered.

C. Corbin   2

<u>Due to the potential sensitivity of the information contained in the Enclosures, they are not publicly available.</u>

                                        Sincerely,

                                         /RA/

                                        Charles E. Ader, Director
                                        Division of Risk Analysis and Applications
                                        Office of Nuclear Regulatory Research

Enclosures: As stated

cc: M. Thadani, NRR/LPD4-1 (w/o enclosures)

C. Corbin   2

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                                     /RA/

                                    Charles E. Ader, Director
                                    Division of Risk Analysis and Applications
                                    Office of Nuclear Regulatory Research

Enclosures: As stated

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REMARKS

Letter to Mr. C. Corbin - Per your request, enclosed is a compact disk containing the Large Early Release Frequency Standardized Plant Analysis Risk (SPAR) model for Comanche Peak 1&2 and the SAPHIRE 7.21 suite of probabilistic risk assessment (PRA) computer codes. Also enclosed is a copy of the user's manual for the Comanche Peak 1&2 LERF SPAR model.

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