PMComanchePeakPEm Resource

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Sent: Monday, August 31, 2009 1:57 PM
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Subject: Submittal of Documents Discussed During Hydrology Safety Site Visit
Attachments: txnb09037.pdf

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Subject: Submittal of Documents Discussed During Hydrology Safety Site Visit
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August 31, 2009

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555
ATTN: David B. Matthews, Director
Division of New Reactor Licensing

SUBJECT: COMANCHE PEAK NUCLEAR POWER PLANT, UNITS 3 AND 4
DOCKET NUMBERS 52-034 AND 52-035
SUBMITTAL OF DOCUMENTS DISCUSSED DURING HYDROLOGY SAFETY SITE VISIT

Dear Sir:

Luminant Generation Company LLC (Luminant) hereby submits the enclosed support documents to facilitate the safety review of the Combined License Application for Comanche Peak Nuclear Power Plant Units 3 and 4 as discussed with the Staff during the recent Hydrology Safety Site Visit.

Information need HYDSV-01 involved the source and availability of the spatially referenced data used for delineation of watersheds, representation of the basin, digital elevation, stream networks, location of the plant, landcover/landuse, soil type, surficial geology, and aquifers. The GIS files (spatially referenced data) are provided on the attached DVD.

Information need HYDSV-07 involved data, input, and configuration files for the flood routing calculations using HEC-RAS software. Calculation "MITS004 – Probable Maximum Flood Calculation for Comanche Peak Nuclear Power Plant Units 3 and 4 (HEC-HMS & HEC-RAS)", TXUT-001-FSAR-2.4.3-CALC-012, Revision 0 and input/output (I/O) files the for HEC-RAS model were reviewed with the Staff during the Site Visit. CALC-012 has been revised to incorporate changes identified during discussion of information need HYDSV-06. Revision 1 of this calculation has been placed in the electronic reading room, and I/O files for the HEC-HMS and HEC-RAS models are provided on the attached DVD. FSAR Subsections 2.4.2 and 2.4.3 have been revised to be consistent with Revision 1 of CALC-012 and will be provided in FSAR Update Tracking Report Revision 4 in early September.

Finally, information need HYDSV-08 involved data, input, and configuration files for the dam-break flood routing computations using FlowMaster software. Calculation TXUT-001-FSAR-2.4.4-CALC-015, "Brazos River Dam Failures Analysis for Comanche Peak Nuclear Power Plant Units 3 and 4," Revision 0 has been placed in the electronic reading room. The FlowMaster I/O files discussed with the Staff during the Site Visit are provided on the attached DVD.

The electronic files provided on the attached DVD are in their native format as necessary to be useful to the NRC. Therefore, they do not meet the requirements for electronic submission stated in NRC document "Guidance for Electronic Submissions to the NRC, Rev. 5".

Should you have any questions regarding these documents, please contact Don Woodlan (254-897-6887, Donald.Woodlan@luminant.com) or me.

There are no commitments in this letter.

I state under penalty of perjury that the foregoing is true and correct. Executed on August 31, 2009.

Sincerely,

Luminant Generation Company LLC

DJWoodlan for

Rafael Flores

Attachments (one DVD):	HYDSV-01	GIS Files
	HYDSV-07	I/O files for HEC-HMS and HEC-RAS models
	HYDSV-08	I/O files for FlowMaster

cc: Stephen Monarque w/attachments (one DVD)

Email Distribution w/o attachments

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