

# VISTRA ENERGY



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Ref 10 CFR 50.46(a)(3)(ii)

CP-201800311  
TXX-18035

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

7/19/2018

SUBJECT: COMANCHE PEAK NUCLEAR POWER PLANT  
DOCKET NOS. 50-445 AND 50-446  
ECCS RE-ANALYSIS SCHEDULE

REFERENCES: 1. Luminant Power Letter Logged TXX-15009, from Rafael Flores to the NRC dated January 28, 2015, "ECCS RE-ANALYSIS SCHEDULE"

Dear Sir or Madam:

Via Reference 1 Vistra Operations Company LLC (Vistra OpCo) provided information relative to the ongoing re-analysis of a large break loss-of-coolant accident (LBLOCA) analysis which includes the effects of fuel thermal conductivity degradation, revised heat transfer multiplier distributions, changes to grid blockage ratio and porosity, and correct application of the burst strain in the scheduled reanalysis. The schedule presented therein was based, in part, on the Nuclear Regulatory Commission (NRC) efforts to revise 10CFR50.46 for performance-based emergency core cooling systems cladding acceptance criteria (Federal Register Notice 79FR16106) and Westinghouse efforts for development of an emergency core cooling system (ECCS) code that would satisfy the proposed rulemaking.

Reference 1 contained two commitments:

Commitment Number 4496966 - Vistra OpCo will submit to the NRC, for review and approval, a LBLOCA analysis which applies NRC-approved methods that include the effects of fuel pellet thermal conductivity by June 15, 2018 or 24 months from the effective date of the proposed 10CFR50.46 rule implementation, whichever occurs first.

A002  
NRR

Commitment Number 4829670 – Vistra OpCo will include the revised heat transfer multiplier distributions, changes to the grid blockage ratio and porosity, and correct application of the burst strain in the scheduled reanalysis.

The ongoing analyses are presently expected to be completed during the first quarter of 2019 with submittal to the NRC in the following quarter. That effort is necessarily independent of potential regulatory action in the form of revision of 10CFR50.46. Commitment Number 4496966 is being revised accordingly.

This communication contains no new commitments regarding CPNPP Units 1 and 2. The revision of commitment number 4496966 is provided in Attachment 1 of this letter.

Should you have any questions, please contact Ken Vehstedt at (254) 897-6296.

Sincerely,

  
Steven K. Sewell

Attachment 1 Revised Commitment

c - Kriss Kennedy, Region IV  
Margaret Watford O'Banion, NRR  
Resident Inspectors, Comanche Peak

Revised Commitment

Commitment Number

4496966

Commitment Description

Vistra OpCo will submit to the NRC, for review and approval, a LBLOCA analysis which applies NRC-approved methods that include the effects of fuel pellet thermal conductivity.

Scheduled Completion Date

June 30, 2019

Status / Comments

Open / Commitment was originally identified in letter dated TXX-15009 and updated by letter TXX-18035