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

Ref 10CFR2.201

Subject: Comanche Peak Nuclear Power Plant (CPNPP)
Docket Nos. 50-445 and 50-446
Reply To A Notice Of Violation

References: 1. NRC Letter from Vincent Gaddy to Ken Peters dated May 6, 2021, "Comanche Peak Nuclear Power Plant, Units 1 And 2 - Design Basis Assurance Inspection (Teams) Inspection Report 05000445/2021011 And 05000446/2021011 And Notice Of Violation" (ADAMS Accession Number ML21124A130)

Dear Sir or Madam:

Pursuant to 10CFR2.201, Vistra Operations Company LLC (Vistra OpCo) hereby responds to the Notice of Violation that was transmitted via Reference 1. This communication contains the following new licensing basis commitment regarding CPNPP Units 1 and 2:

<u>Commitment No.</u>	<u>Description</u>
21-344702	In accordance with the CPNPP Corrective Action Program, non-1E loads on UPS panels will be reviewed by December 3, 2021, to determine if a basis can be provided that would assure the non-1E load circuit's integrity to withstand a DBE without a short or short to ground, and can remain to be fed from the panel and coordination of these circuits will not be a concern. If this review concludes that a basis cannot be provided, then a plant modification will be implemented by June 1, 2023.

Should you have any questions, please contact Gary Merka at (254) 897-6613 or gary.merka@luminant.com.

Sincerely,



Thomas P. McCool

Attachment

c (email) - Scott Morris, Region IV [Scott.Morris@nrc.gov]
Dennis Galvin, NRR [Dennis.Galvin@nrc.gov]
John Ellegood, Senior Resident Inspector, CPNPP [John.Ellegood@nrc.gov]
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NOTICE OF VIOLATION

During an NRC inspection conducted from February 2, 2021 through March 25, 2021, two violations of NRC requirements were identified. In accordance with the NRC Enforcement Policy, the violations are listed below:

- A. Title 10 CFR Part 50, Appendix B, Criterion III, requires, in part, that applicable regulatory requirements and design basis are correctly translated into specifications, drawings, procedures, and instructions.

Contrary to the above, from June 20, 2013, to March 25, 2021, the licensee did not assure that applicable regulatory requirements and design basis are correctly translated into specifications, drawings, procedures, and instructions. Specifically, the 125 VDC calculation did not account for the maximum inrush currents and actual accident loading, and the 120 VAC calculation did not properly account for low voltage when the buses are supplied from their alternate source.

This violation is associated with a Green SDP finding.

- B. Title 10 CFR Part 50, Appendix B, Criterion III requires in part, that applicable regulatory requirements and design basis are correctly translated into specifications, drawings, procedures, and instructions.

Contrary to the above, from June 18, 2015, to March 25, 2021, the licensee did not assure that applicable regulatory requirements and design basis are correctly translated into specifications, drawings, procedures, and instructions. Specifically, the licensee failed to verify or check the adequacy of the design by performing an analysis or test that demonstrated that the Class 1E inverters would continue to operate reliably when subjected to the effects of electrical faults that could be postulated to occur at non-Class loads, due to a lack of seismic qualification of the loads, during and after a design basis loss-of-offsite power and seismic event.

This violation is associated with a Green SDP finding.

RESPONSE TO NOTICE OF VIOLATION "A"

Vistra OpCo agrees with the violation and the requested information follows:

1. Reason for the Violation

During the 2013 NRC Component Design Basis inspection at CPNPP, the inspectors identified that calculations did not take into account the maximum inrush currents and actual accident loading, and also did not properly account for low voltage when the buses were supplied from their alternate source. Condition Reports (CRs) 2013-006273, 2013-006396, and 2013-008394 were issued to address this Finding. CRs 2013-006273 and 2013-006396 were subsequently closed in April 2016, and some of the actions in CR 2013-008394 were also completed in 2016. This violation occurred because CR 2013-008394 was not given a high enough priority for it to be completed in a timely manner.

2. Corrective Steps That Have Been Taken and the Results Achieved

An extent of condition review was completed. Calculations have been revised to account for the maximum inrush currents and actual accident loading. Calculations have also been revised to properly account for low voltage when the buses are supplied from their alternate source. A review of the 120 VAC system was completed to assess the adequacy of UPS bus voltages when they are supplied from the bypass source. The review shows that the bypass source will provide adequate voltage for loads fed from UPS buses.

3. Corrective Steps That Will Be Taken

The timeliness of addressing NRC violations is being addressed in the CPNPP corrective action program.

4. Date When Full Compliance Will be Achieved

Vistra OpCo is currently in full compliance.

RESPONSE TO NOTICE OF VIOLATION "B"

Vistra OpCo agrees with the violation and the requested information follows:

1. Reason for the Violation

During the 2015 NRC Component Design Basis inspection at CPNPP, the inspectors identified that CPNPP failed to verify or check the adequacy of the design by performing an analysis or test that demonstrated the Class 1E inverters would continue to operate reliably when subjected to the effects of electrical faults that could be postulated to occur at non-class loads, due to a lack of seismic qualification of the loads, during and after a design basis loss of offsite power and seismic event. Condition Report (CR) 2015-005530 was issued to address this Finding. This violation occurred because CR 2015-005530 was not given a high enough priority for it to be completed in a timely manner.

2. Corrective Steps That Have Been Taken and the Results Achieved

An extent of condition review was completed. The affected UPS system panels with non-class 1E loads have been identified.

3. Corrective Steps That Will Be Taken

In accordance with the CPNPP Corrective Action Program, non-1E loads on UPS panels will be reviewed by December 3, 2021, to determine if a basis can be provided that would assure the non-1E load circuit's integrity to withstand a Design Basis Event without a short or short to ground, and can remain to be fed from the panel and coordination of these circuits will not be a concern. If this review concludes that a basis cannot be provided, then a plant modification will be implemented by June 1, 2023. The timeliness of addressing NRC violations is being addressed in the CPNPP corrective action program.

4. Date When Full Compliance Will be Achieved

Vistra OpCo will be in full compliance by June 1, 2023.