



Perry Nuclear Power Plant
Rod L. Penfield
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L-24-036
June 27, 2024

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

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

Subject:
Perry Nuclear Power Plant, Unit No. 1
Docket No. 50-440, License No. NPF-58
2023 Annual 10 CFR 50.46 Report of Changes to or Errors in Emergency Core Cooling System Evaluation Models

In accordance with 10 CFR 50.46(a)(3)(ii), Vistra Operations Company LLC hereby submits the 2023 annual report of changes to or errors in emergency core cooling system (ECCS) evaluation model, or in the application of such model, for the Perry Nuclear Power Plant, Unit No. 1 (PNPP). The attached report covers the period of January 1, 2023 to December 31, 2023.

There are no regulatory commitments contained in this letter. If there are any questions or if additional information is required, please contact Mr. Jack C. Hicks, Senior Manager, Fleet Licensing at (254) 897-6725 or jack.hicks@luminant.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Rod L. Penfield". The signature is fluid and cursive, written over a white background.

Rod L. Penfield

Attachment:
2023 Annual 10 CFR 50.46 Report of Changes to or Errors in Emergency Core Cooling System Evaluation Models

cc: NRC Region III Administrator
NRC Resident Inspector
NRC Project Manager

2023 Annual 10 CFR 50.46 Report of Changes to or Errors in
Emergency Core Cooling System Evaluation Models
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New Errors and Changes:

Change in an acceptable evaluation model or application of such model:

None.

Errors:

None.

Report Summary:

The changes to and errors in the PNPP ECCS evaluation model in 2023 are summarized in the following table:

Perry Nuclear Power Plant, Unit 1		GNF2 fuel
		PCT or PCT change
Licensing Basis PCT at BEGINNING of 2023		1610°F
2023 Activity		
EM Errors	None	None
EM Changes	None	None
Licensing Basis PCT at END of 2023		1610°F