



*Perry Nuclear Power Plant
10 Center Road
Perry, Ohio 44081*

*Rod L. Penfield
Site Vice President, Perry Nuclear*

440-280-5382

June 22, 2023
L-23-050

10 CFR 50.46

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

SUBJECT:

Perry Nuclear Power Plant
Docket No. 50-440, License No. NPF-58
2022 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), Energy Harbor Nuclear Corp. hereby submits the 2022 annual report of changes to or errors in an emergency core cooling system evaluation model, or in the application of such model, for the Perry Nuclear Power Plant (PNPP). The attached report covers the period of January 1, 2022, to December 31, 2022.

There are no regulatory commitments contained in this letter. If there are any questions or if additional information is required, please contact Mr. Phil H. Lashley, Manager – Fleet Licensing, at (330) 696-7208.

Sincerely,

A handwritten signature in black ink, appearing to read "Rod L. Penfield".

Rod L. Penfield

Attachment:

2022 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

Attachment
L-23-050

2022 Annual 10 CFR 50.46 Report of Changes to or Errors in Emergency Core Cooling
System Evaluation Models
Page 1 of 1

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 emergency core cooling system (ECCS) evaluation model in 2022 are summarized in the following table:

Perry Nuclear Power Plant, Unit 1		GNF2 fuel
		PCT or PCT change
Licensing Basis PCT at BEGINNING of 2022		1610°F
2022 Activity		
EM Errors	None	None
EM Changes	None	None
Licensing Basis PCT at END of 2022		1610°F