



Energy Harbor Nuclear Corp.
Beaver Valley Power Station
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John J. Grabnar
Site Vice President, Beaver Valley Nuclear

330-436-1356

April 26, 2022
L-22-038

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

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

Subject:
Beaver Valley Power Station, Unit Nos. 1 and 2
Docket No. 50-334, License No. DPR-66
Docket No. 50-412, License No. NPF-73
2021 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 2021 annual report of changes to or errors in emergency core cooling system (ECCS) evaluation model, or in the application of such model, for the Beaver Valley Power Station, Unit Nos. 1 (BVPS-1) and 2 (BVPS-2). The attached report covers the period of January 1, 2021, to December 31, 2021.

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 "John J. Grabnar".

John J. Grabnar

Attachment
L-22-038

Table 1
 10 CFR 50.46 Summary for 2021

Beaver Valley Power Station, Unit 1		Large Break LOCA	Small Break LOCA
		PCT or PCT Change	PCT or PCT Change
Licensing Basis PCT at BEGINNING of 2021		1840°F	1895°F
2021 Activity			
EM Changes	None	0°F	0°F
EM Errors	None	0°F	0°F
Licensing Basis PCT at END of 2021		1840°F	1895°F

Beaver Valley Power Station, Unit 2		Large Break LOCA	Small Break LOCA
		PCT or PCT Change	PCT or PCT Change
Licensing Basis PCT at BEGINNING of 2021		1839°F	1917°F
2021 Activity			
EM Changes	None	0°F	0°F
EM Errors	None	0°F	0°F
Licensing Basis PCT at END of 2021		1839°F	1917°F