

Richard D. Bologna
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Fax: 724-643-8069May 14, 2019
L-19-02810 CFR 50.71(e)
10 CFR 50.54(a)
10 CFR 54.37(b)
10 CFR 71.106ATTN: Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001**SUBJECT:**Beaver Valley Power Station, Unit No. 2
Docket No. 50-412, License No. NPF-73Submittal of the Updated Final Safety Analysis Report, Revision 24

In accordance with the requirements of 10 CFR 50.71(e), the FirstEnergy Nuclear Operating Company (FENOC) is hereby submitting to the Nuclear Regulatory Commission (NRC) the Beaver Valley Power Station, Unit No. 2 (BVPS-2), Updated Final Safety Analysis Report (UFSAR) Revision 24. This submittal reflects UFSAR-described facility and procedure changes implemented between May 21, 2017 (the end of Refueling Outage 19), and November 14, 2018 (the end of Refueling Outage 20), along with several changes implemented after Refueling Outage 20.

In accordance with 10 CFR 50.4(b)(6), the BVPS-2 UFSAR, Revision 24, is being submitted electronically on a total replacement basis. As required by NRC guidance for electronic submissions to the Commission, Attachments 1 and 2 provide a listing of the document components that make up the two enclosed CD-ROMs.

The first enclosed CD-ROM includes the BVPS-2 UFSAR (with list of effective pages) and the following documents:

- BVPS-2, Licensing Requirements Manual (LRM), Revision 94
- Technical Specification (TS) Bases, Revision 36, submitted to satisfy TS 5.5.10.d, which requires submittal of TS Bases changes implemented without prior NRC approval
- FENOC Quality Assurance Program Manual (QAPM), Revision 24, submitted in accordance with 10 CFR 50.54(a) and 10 CFR 71.106

The second enclosed CD-ROM includes the first CD-ROM documents with information identified in accordance with NRC Regulatory Issue Summary (RIS) 2015-17, "Review and Submission of Updates to Final Safety Analysis Reports, Emergency Preparedness Documents, and Fire Protection Documents," removed.

For this BVPS-2 UFSAR update, no excessive detail, obsolete information, or redundant information has been removed in accordance with Appendix A to Nuclear Energy Institute (NEI) 98-03, Revision 1, "Guidelines for Updating Final Safety Analysis

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Reports,” as endorsed by Regulatory Guide 1.181, “Content of the Updated Final Safety Analysis Report in Accordance with 10 CFR 50.71(e).”

FENOC conducted a review of BVPS-2 plant changes for 10 CFR 54.37(b) applicability. No components were determined to meet the criteria for newly identified components as clarified by RIS 2007-16, Revision 1, “Implementation of the Requirements of 10 CFR 54.37(b) for Holders of Renewed Licenses.”

In accordance with NEI 99-04, “Guidelines for Managing NRC Commitment Changes,” Revision 0, as endorsed by NRC RIS 2000-17, “Managing Regulatory Commitments Made by Power Reactor Licensees to the NRC Staff,” a summary of the regulatory commitment change is provided in Attachment 3.

This certifies, to the best of my judgment and belief, that Revision 24 of the BVPS-2 UFSAR accurately presents changes made since the previous submittal that are necessary to reflect information and analysis submitted to the Commission or pursuant to Commission requirements.

This letter contains no new regulatory commitments. If you have any questions regarding this report, please contact Mr. Phil H. Lashley, Acting Manager – Nuclear Licensing and Regulatory Affairs, at (330) 315-6808.

Sincerely,



Richard D. Bologna

Attachments:

1. List of Documents on CD-ROM 1
2. List of Documents on CD-ROM 2 (Information Identified Per RIS 2015-17 Removed)
3. Commitment Change Summary Report, May 2017 – November 2018

Enclosures:

- A. Beaver Valley Power Station, Unit No. 2 UFSAR, Licensing Requirements Manual, Technical Specification Bases, and QAPM (on CD-ROM 1)
- B. Beaver Valley Power Station, Unit No. 2 UFSAR With Information Identified Per RIS 2015-17 Removed (on CD-ROM 2)

cc: NRC Region I Administrator (without Enclosure B)
NRC Resident Inspector (without Enclosure B)
NRC Project Manager (without Enclosure B)
Director BRP/DEP (without Enclosures)
Site BRP/DEP Representative (without Enclosures)

Attachment 1
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List of Documents on CD-ROM 1
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<u>File Name</u>	<u>Size (KB)</u>
001 UFSAR List of Effective Pages Rev 24.pdf	137
002 UFSAR Section 1.pdf	2,466
003 UFSAR Section 2 Part 1 of 2.pdf	12,829
004 UFSAR Section 2 Part 2 of 2.pdf	27,387
005 UFSAR Section 3 Part 1 of 2.pdf	25,559
006 UFSAR Section 3 Part 2 of 2.pdf	13,684
007 UFSAR Section 4.pdf	3,730
008 UFSAR Section 5.pdf	1,719
009 UFSAR Section 6.pdf	4,439
010 UFSAR Section 7.pdf	8,750
011 UFSAR Section 8.pdf	1,044
012 UFSAR Section 9.pdf	2,662
013 UFSAR Section 10.pdf	1,838
014 UFSAR Section 11.pdf	1,174
015 UFSAR Section 12.pdf	13,752
016 UFSAR Section 13.pdf	351
017 UFSAR Section 14.pdf	455
018 UFSAR Section 15.pdf	2,531
019 UFSAR Section 16.pdf	35
020 UFSAR Section 17.pdf	56
021 UFSAR Section 18.pdf	26
022 UFSAR Section 19.pdf	457
023 BVPS-2 LRM Rev 94.pdf	3,804
024 BVPS TS Bases Rev 36.pdf	2,521
025 FENOC QAPM Rev 24.pdf	18,821

Attachment 2
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List of Documents on CD-ROM 2
(Information Identified Per RIS 2015-17 Removed)
Page 1 of 1

<u>File Name</u>	<u>Size (KB)</u>
001 UFSAR List of Effective Pages Rev 24.pdf	137
002 UFSAR Section 1.pdf	2,300
003 UFSAR Section 2 Part 1 of 2.pdf	11,672
004 UFSAR Section 2 Part 2 of 2.pdf	27,349
005 UFSAR Section 3 Part 1 of 2.pdf	25,834
006 UFSAR Section 3 Part 2 of 2.pdf	4,066
007 UFSAR Section 4.pdf	3,732
008 UFSAR Section 5.pdf	1,718
009 UFSAR Section 6.pdf	4,392
010 UFSAR Section 7.pdf	8,748
011 UFSAR Section 8.pdf	1,043
012 UFSAR Section 9.pdf	2,330
013 UFSAR Section 10.pdf	1,838
014 UFSAR Section 11.pdf	1,174
015 UFSAR Section 12.pdf	9,609
016 UFSAR Section 13.pdf	351
017 UFSAR Section 14.pdf	455
018 UFSAR Section 15.pdf	2,530
019 UFSAR Section 16.pdf	35
020 UFSAR Section 17.pdf	56
021 UFSAR Section 18.pdf	26
022 UFSAR Section 19.pdf	457
023 BVPS-2 LRM Rev 94.pdf	3,804
024 BVPS TS Bases Rev 36.pdf	2,521
025 FENOC QAPM Rev 24.pdf	18,821

Attachment 3
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Commitment Change Summary Report
May 2017 – November 2018
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COMMITMENT NUMBER / SOURCE / DATE	COMMITMENT DESCRIPTION	CHANGE	REASON FOR CHANGE
BV-A90058 BVPS Response to Generic Letter 90-03, 9/25/1990	Revise periodic vendor contact program to adopt a good faith, documented effort to periodically contact the vendors of key, safety-related components. The objective of the periodic contact is to verify that vendor technical manuals are current. BVPS conducts a 3-year cycle Vendor Interface Program.	Commitment closed.	The utilization of the following provides the information that meets the intent of the Generic Letter 90-03 to ensure key safety-related vendor manuals are current: <ul style="list-style-type: none">- 10 CFR 21 Reports- Maintenance Rule Program- Operating Experience Program- Pressurized Water Reactor Owners Group (PWROG) conferences and correspondence- Nuclear Steam Supply System Vendor Correspondence- Approved Suppliers List- Institute of Nuclear Power Operations (INPO) Issues- Vendor/Suppliers Websites