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L-26-114
May 27, 2026

10 CFR 50.71(e)
10 CFR 54.37(b)

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

Subject:
Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, License No. DPR-66
Submittal of the Updated Final Safety Analysis Report, Revision 36

In accordance with the requirements of 10 CFR 50.71(e) and the approved exemption (ADAMS Accession No. ML24134A166 (package)) that allows periodic updates to be submitted by May 31 of every even-numbered year, the Vistra Operations Company LLC (Vistra OpCo) is hereby submitting to the Nuclear Regulatory Commission (NRC) the Beaver Valley Power Station, Unit No. 1 (BVPS-1), Updated Final Safety Analysis Report (UFSAR), Revision 36. This submittal reflects facility and procedure changes implemented since the last update provided by letter dated November 26, 2024 (ADAMS Accession No. ML24331A262).

The BVPS-1 UFSAR, Revision 36, is submitted electronically on a total replacement basis.

- Enclosure A – BVPS-1 UFSAR, Revision 36, List of Effective Pages
- Enclosure B – BVPS-1 UFSAR, Revision 36
- Enclosure C – BVPS-1 UFSAR, Revision 36, with information identified in accordance with NRC Regulatory Issue Summary (RIS) 2015-17 removed

In addition to the UFSAR, the following two enclosures are included in the submittal:

- Enclosure D – BVPS-1 Licensing Requirements Manual (LRM), Revision 120
- Enclosure E – BVPS-1 Technical Specification (TS) Bases, Revision 55, submitted to satisfy TS 5.5.10.d, which requires submittal of TS Bases changes implemented without prior NRC approval.

For this BVPS-1 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 Reports," as endorsed by Regulatory Guide 1.181, "Content of the Updated Final Safety Analysis Report in Accordance with 10 CFR 50.71(e)."

Vistra OpCo conducted a review of BVPS-1 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 regulatory commitment changes is provided in the attachment to this letter.

This certifies, to the best of our judgment and belief, that Revision 36 of the BVPS-1 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.

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

Sincerely,

Jack C. Hicks

Attachment
Commitment Change Summary Report

Enclosures:
A. BVPS-1 UFSAR, Revision 36, List of Effective Pages
B. BVPS-1 UFSAR, Revision 36 (Non-Public)
C. BVPS-1 UFSAR, Revision 36 (Public)
D. BVPS-1 LRM, Revision 120
E. BVPS TS Bases, Revision 55

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

Attachment
L-26-114

Commitment Change Summary Report
Page 1 of 1

| COMMITMENT NUMBER / SOURCE / DATE | COMMITMENT DESCRIPTION | CHANGE | REASON FOR CHANGE |
|---|---|---|---|
| | | | |
| BV-L-19930226-01<br>Letter BVPS/LC:JDS:551, 12/16/1980<br>Letter ND1NSM:5572, 2/19/1993 | Leak testing of the BVPS-1 recirculation spray heat exchangers is performed via an alternative air make-up test method. Future testing will use this or a comparable test method for determining leakage in the recirculation spray heat exchangers. | Alternate leak testing methods may be utilized. In this alternate test, the shell side is pressurized with air and the tube side is completely flooded with water, with the bottom cover installed and the top cover open to atmosphere. Any through-leak would result in gas bubbles emerging into the flooded tube side. | The change provides an enhanced ability to identify potential leaking tubes to be plugged. |

List of Abbreviations Used:

BVPS-1 Beaver Valley Power Station, Unit No. 1