



FirstEnergy Nuclear Operating Company

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L-07-060

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

**Subject: Beaver Valley Power Station, Unit Nos. 1 and 2  
BV-1 Docket No. 50-334, License No. DPR-66  
BV-2 Docket No. 50-412, License No. NPF-73  
Annual Radioactive Effluent Release Report for 2006, and  
Annual Radiological Environmental Operating Report for 2006  
2006 Annual Environmental Operating Report (Non Radiological)**

In accordance with Beaver Valley Nuclear Power Station Units No. 1 and 2 (BVPS) Technical Specifications, FirstEnergy Nuclear Operating Company (FENOC) hereby submits the BVPS Annual Radioactive Effluent Release Report and Annual Radiological Environmental Operating Report for 2006. These reports are provided in a single enclosure, introduced by an Executive Summary that addresses implementation of the Radioactive Effluent Control Program and Radiological Environmental Monitoring Program at BVPS in 2006. The program results demonstrate the proficiency of radioactive effluent control at BVPS, and that the operations of Unit 1 and Unit 2 did not adversely affect the surrounding environment.

Also enclosed is the 2006 Annual Environmental Operating Report (Non Radiological), provided in accordance with the Unit 2 Operating License, Appendix B – Environmental Protection Plan.

The 2006 Annual Radioactive Effluent Release Report (ARERR) for BVPS Units 1 and Unit 2 is submitted in accordance with the requirements of Unit 1 and Unit 2 Technical Specification 6.9.3. The report contains the information required by NRC Regulatory Guide 1.21, along with site specific information required by Unit 1 and Unit 2 Offsite Dose Calculation Manual procedure 1/2-ODC-3.03, Attachment U, Report 6.9.3. The report format incorporates the following considerations.

- The ARERR is considered a single submittal for the two-unit site.

IE48  
IE25  
A009


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- The ARERR combines those sections that are common to both units at the site. Therefore, since Unit 1 and Unit 2 have shared radwaste systems for elevated level gaseous effluents and shared radwaste systems for all liquid effluents, then the ARERR combines those sections.
- The ARERR segregates those sections that are specific to each unit. Therefore, since Unit 1 and Unit 2 have independent radwaste systems for ground level gaseous effluents, then the ARERR segregates those sections.

The 2006 Annual Radiological Environmental Operating Report (AREOR) for BVPS Units 1 and 2 is submitted in accordance with Unit 1 and Unit 2 Technical Specification 6.9.2. The report also contains site-specific information required by Unit 1 and Unit 2 Offsite Dose Calculation Manual Procedure 1/2-ODC-3.03, Attachment T, Report 6.9.2.

No new regulatory commitments are contained in this submittal. If there are any questions or if additional information is required, please contact Mr. Henry L. Hegrat, Supervisor - FENOC Fleet Licensing, at (330) 374-3114.

Sincerely,



James H. Lash

Enclosures:

1. 2006 Annual Radioactive Effluent Release Report and 2006 Annual Radiological Environmental Operating Report
2. 2006 Annual Environmental Operating Report (Non Radiological)

c: Ms. N. S. Morgan, NRR Project Manager  
Mr. P. C. Cataldo, NRC Senior Resident Inspector  
Mr. S. J. Collins, NRC Region I Administrator