

L. William Pearce  
Vice President724-682-5234  
Fax: 724-643-8069February 23, 2005  
L-05-026U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
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  
Supplemental Information Supporting License Amendment Request  
Nos. 302 and 173**

FirstEnergy Nuclear Operating Company (FENOC) letter L-04-125 to the U.S. Nuclear Regulatory Commission (NRC) dated October 4, 2004, submitted a license amendment request for Beaver Valley Power Stations (BVPS) Unit Nos. 1 and 2. The proposed amendment would change the BVPS Unit Nos. 1 and 2, operating licenses to increase the maximum authorized power level from 2689 megawatts thermal (MWt) to 2900 MWt. This change represents an increase of approximately 8 percent above the current maximum authorized power level. The proposed amendment would also change the BVPS Unit Nos. 1 and 2 Technical Specifications (TSs) to authorize operation with replacement Model 54F steam generators (SGs) for BVPS Unit 1 (BVPS Unit 2 would continue to operate with Model 51M SGs) and full implementation of the Alternative Source Terms for BVPS Unit Nos. 1 and 2, in accordance with Regulatory Guide 1.183, "Alternative Radiological Source Terms for Evaluating Design Basis Accidents at Nuclear Power Reactors."

NRC letter dated January 6, 2005 provided the results of the staff's acceptance review of the Extended Power Uprate (EPU) application for BVPS Unit Nos. 1 and 2. This letter requested that additional technical information be provided in sufficient detail to enable the staff's independent assessment regarding the acceptability of the proposed amendment in terms of regulatory requirements and the protection of public health and safety. Areas, which require additional information to be submitted where identified in Sections 1.0 through 6.0 of the enclosure to the January 6, 2005 NRC, letter.

Attachments B through F provide the requested additional information for those items described in Section 1.0-Environmental Review, Section 3.0-Electrical Distribution, Section-4.0-Testing, Section-5.0-Plant Systems, and Section-6.0-Ventilation Systems,

A001

respectively. The RS-001 Regulatory Evaluation Section Markups cited in Section 5.0 of the NRC letter enclosure are provided in Attachment G.

The additional information requested in Section 2.0-Probabilistic Safety Review will be submitted by June 30, 2005. The regulatory commitments made in this submittal are provided in Attachment A.

All copies, except the hardcopy to the NRC Document Control Desk, of this letter are being provided on compact disc (CD). If you have questions or require additional information, please contact Mr. Henry L. Hegrat, Supervisor - Licensing, at 330-315-6944.

I declare under penalty of perjury that the foregoing is true and correct. Executed on February 23, 2005.

Sincerely,



L. William Pearce

Attachments:

- A Commitment List
- I Section 1.0-Environmental Review
- C Section 3.0-Electrical Distribution
- D Section 4.0-Testing
- E Section 5.0-Plant Systems
- F Section 6.0-Ventilation Systems
- G RS-001 Regulatory Evaluation Section Markups

- c: Mr. T. G. Colburn, NRR Senior Project Manager - w/CD only  
Mr. P. C. Cataldo, NRC Sr. Resident Inspector - w/CD only  
Mr. S. J. Collins, NRC Region I Administrator - w/CD only  
Mr. D. A. Allard, Director BRP/DEP - w/CD only  
Mr. L. E. Ryan (BRP/DEP) - w/CD only