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L-04-112

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

**Subject: Beaver Valley Power Station, Unit No. 1 and No. 2**  
**BV-1 Docket No. 50-334, License No. DPR-66**  
**BV-2 Docket No. 50-412, License No. NPF-73**  
**Advance Notice of Planned Extended Power Uprate Submittal**

This letter provides advance notice to the NRC of the FirstEnergy Nuclear Operating Company (FENOC) plan to submit an Extended Power Uprate (EPU) License Amendment Request (LAR) for Beaver Valley Power Station (BVPS) Unit Nos. 1 and 2. The EPU LAR will propose Operating License and Technical Specification (TS) changes which support an approximate 8% increase in the licensed power level from the current level of 2689 MWt to 2900 MWt Rated Thermal Power (RTP). The LAR will also propose changes which reflect the installation of replacement steam generators in BVPS Unit 1. The LAR is planned to be submitted by October 2004. Approval of the EPU LAR will be requested to support the installation of the BVPS Unit 1 replacement steam generators in the 2006 spring outage. The EPU analyses are also based in part on the use of the NRC approved Westinghouse Best Estimate Loss-of-Coolant Accident (BELOCA) methodology (WCAP-12945-P-A) for a large break LOCA. FENOC is also planning to submit a separate LAR by October 2004 requesting approval of the BELOCA methodology for BVPS. FENOC will request approval of the BELOCA LAR in conjunction with the EPU LAR.

Both the EPU and BELOCA LARs are based on the analyses performed for the conversion of the BVPS containment buildings to an atmospheric design. By letter L-04-073 dated June 2, 2004, FENOC submitted the containment conversion LAR for BVPS. This LAR proposed TS changes to permit each unit to be operated with an atmospheric containment design. FENOC requested approval of this LAR by June 2005 with implementation of the LAR in the refueling outages at each unit in 2006.

The containment conversion LAR is a cornerstone of the pending EPU submittal and BVPS Unit 1 replacement steam generator project as the supporting analyses were performed based on the proposed atmospheric containment conditions. If timely approval of the containment conversion LAR becomes jeopardized by late identification

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of a question or problem, FENOC will have to take contingency actions including costly reanalysis in order to support the installation of the BVPS Unit 1 replacement steam generators. In order to avoid unnecessary expenditure of both FENOC and NRC resources, FENOC staff are prepared to expeditiously support the NRC's review of the containment conversion LAR. FENOC is also prepared to meet with the NRC staff to provide an overview presentation of the containment conversion LAR and to answer any questions that the staff may have at this time.

No new commitments are contained in this submittal. If there are any questions concerning this matter, please contact Mr. Larry R. Freeland, Manager, Regulatory Affairs/Performance Improvement at 724-682-5284.

Sincerely,



L. William Pearce

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