

57-412



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

November 18, 1999

Mr. J. E. Cross  
President-Generation Group  
Duquesne Light Company  
Post Office Box 4  
Shippingport, PA 15077

SUBJECT: BEAVER VALLEY POWER STATION, UNIT NO. 2 - ISSUANCE OF AMENDMENT  
RE: REVISED CONTROL ROOM RADIOLOGICAL DOSE CALCULATIONS FOR  
LOCKED ROTOR ACCIDENT ANALYSIS (TAC NO. MA0746)

Dear Mr. Cross:

The Commission has issued the enclosed Amendment No. 103 to Facility Operating License No. NPF-73 for the Beaver Valley Power Station, Unit 2 (BVPS-2). This amendment consists of changes to the Updated Final Safety Analysis Report (UFSAR) in response to your application dated January 29, 1998, as supplemented by letters dated November 9, 1998, and June 14, 1999, which submitted License Amendment Request No. 120.

The requested changes to the BVPS-2 UFSAR reflect revisions to the control room radiological dose calculations for the locked rotor accident analysis. This revision was required in order to address a non-conservative assumption regarding control room emergency pressurization fan flow during the locked rotor accident and include new dispersion ( $\chi/Q$ ) values in calculating the Exclusion Area Boundary (EAB) and Low Population Zone (LPZ) doses. You requested Nuclear Regulatory Commission (NRC) authorization of these changes because you considered them to be unreviewed safety questions in accordance with 10 CFR 50.59. This amendment authorizes these changes to the BVPS-2 UFSAR, and requires that the changes be submitted with the next update of the UFSAR pursuant to 10 CFR 50.71(e).

Your submittal also requested NRC review and approval of an unapproved methodology for evaluating small-break loss-of-coolant accident (SBLOCA) doses. The design-basis LOCA for BVPS-2 is the large-break LOCA (LBLOCA). Following discussions with the NRC staff, your staff performed a new analysis and verified that SBLOCA doses are less limiting than those of the LBLOCA. Based on this reanalysis, you withdrew the portion of the amendment request for NRC review/approval of the unapproved methodology for evaluating SBLOCA doses by your letter dated June 14, 1999. Accordingly, the Commission has filed the enclosed Notice of Partial Withdrawal of Application for Amendment to Facility Operating License with the Office of the Federal Register for publication.

**NRC FILE CENTER COPY**

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PDR ADock

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A copy of our safety evaluation is also enclosed. The Notice of Issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely,

Original signed by:

Daniel S. Collins, Project Manager, Section 1  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-412

Enclosures: 1. Amendment No.        to NPF-73  
              2. Safety Evaluation  
              3. Notice of Partial Withdrawal

cc w/encls: See next page

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