

Mark B. Bezilla
Site Vice President724-682-5234
Fax: 724-643-8069July 31, 2002
L-02-079U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001**Subject: Beaver Valley Power Station, Unit No. 2
Docket No. 50-412, License No. NPF-73
Mid-Cycle Core Operating Limits Report Revision**

A mid-cycle revision to the Beaver Valley Power Station (BVPS) Unit No. 2 Core Operating Limits Report (COLR) is enclosed pursuant to Technical Specification 6.9.5.d. The COLR has been revised to change the τ_7 value listed on page 4.1-8 to greater than or equal to zero seconds and to change the K5 value listed on page 4.1-8 to greater than or equal to zero degrees F for increasing average temperature. τ_7 is the measured reactor vessel average temperature rate/lag time constant used in the Overpower Differential Temperature (OPDT) reactor trip function of the Reactor Protection System. K5 is the average temperature rate/lag coefficient used in the Overpower Differential Temperature (OPDT) reactor trip function. This reduction in τ_7 and K5 has no impact on the plant safety analyses as described in the BVPS Unit No. 2 Updated Final Safety Analysis Report, and was implemented to resolve an identified discrepancy in past τ_7 and K5 settings. (This discrepancy has been entered in the corrective action process.) The change on the enclosed page 4.1-8 of the COLR supersedes this page previously included in the BVPS Unit No. 2 Cycle 10 COLR issued via FENOC letter L-02-020, dated March 1, 2002.

If there are any questions concerning this matter, please contact Mr. Larry R. Freeland, Manager, Regulatory Affairs/Corrective Action at 724-682-5284.

Sincerely,



Mark B. Bezilla

Enclosure

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- c: Mr. D. S. Collins, NRR Project Manager
Mr. D. M. Kern, NRC Sr. Resident Inspector
Mr. H. J. Miller, NRC Region I Administrator
Mr. L. E. Ryan (BRP/DEP)

BVPS-2
LICENSING REQUIREMENTS MANUAL

Overpower ΔT Setpoint Parameter Values (continued):

<u>Parameter</u>	<u>Value</u>
Overpower ΔT reactor trip setpoint T_{avg} rate/lag coefficient	$K5 \geq 0.00/^{\circ}\text{F}$ for increasing average temperature $K5 = 0/^{\circ}\text{F}$ for decreasing average temperature
Overpower ΔT reactor trip setpoint T_{avg} heatup coefficient	$K6 \geq 0.0012/^{\circ}\text{F}$ for $T > T''$ $K6 = 0/^{\circ}\text{F}$ for $T \leq T''$
T_{avg} at RATED THERMAL POWER	$T'' \leq 576.2^{\circ}\text{F}$
Measured reactor vessel ΔT lead/lag time constants	$\tau_1 \geq 8$ sec $\tau_2 \leq 3$ sec
Measured reactor vessel ΔT lag time constant	$\tau_3 \leq 0$ sec
Measured reactor vessel average temperature lag time constant	$\tau_6 \leq 0$ sec
Measured reactor vessel average temperature rate/lag time constant	$\tau_7 \geq 0$ sec

Specification 3.2.5 DNB Parameters

<u>Parameter</u>	<u>Indicated Value</u>
Reactor Coolant System T_{avg}	$T_{avg} \leq 579.9^{\circ}\text{F}^{(1)}$
Pressurizer Pressure	Pressure ≥ 2214 psia ⁽²⁾
Reactor Coolant System Total Flow Rate	Flow $\geq 267,200$ gpm ⁽³⁾

- (1) The Reactor Coolant System (RCS) T_{avg} value includes allowances for rod control operation and verification via control board indication.
- (2) The pressurizer pressure value includes allowances for pressurizer pressure control operation and verification via control board indication.
- (3) The RCS total flow rate includes allowances for normalization of the cold leg elbow taps with a beginning of cycle precision RCS flow calorimetric measurement and verification on a periodic basis via plant process computer. If periodic verification of flow rate is performed via control board indication, the required flow value is $\geq 267,400$ gpm.