

Babcock &amp; Wilcox

Power Generation Group

P.O. Box 1260, Lynchburg, Va. 24505  
Telephone: (703) 384-5111

July 19, 1974

~~SOV 258~~Mr. G. P. Miller  
GPU Service Corporation  
Post Office Box 480  
Middletown, PA 17057

Subject: Reactor Coolant Motor Stator Temperature Setpoint

Dear Mr. Miller:

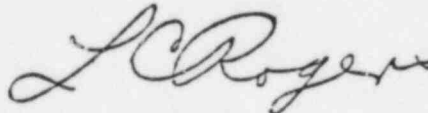
Following is in response to Met. Ed. request for change in the setpoint for Reactor Coolant Pump Motor stator temperature.

The NEMA approved limit of the observable temperature as measured by an embedded detector (RTD) for Class F insulation in motors of the size and voltage range of the RCP motors is 150°C. Based on NEMA and the A-C instruction manual, it is permissible to raise the stator temperature alarm set point to the maximum of 150°C. However, it is recommended that the setpoint be kept down to 145°C, 5° below the maximum allowable temperature, to permit corrective action following an alarm before the maximum allowable temperature is reached.

If 145°C alarm setpoint still becomes a nuisance, 150°C setpoint would necessarily be required.

If you have any questions, please contact me.

Very truly yours,


L. C. Rogers  
Site Operations Engineer

LCR/cam

cc: R. S. Rand  
R. J. McConnell  
J. G. Herbein

The Babcock &amp; Wilcox Company / Established 1867

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THE BASCOCK & WILCOX COMPANY  
POWER GENERATION GROUP

To	L.C. Rogers - Nuclear Services, TMI	
From	J.D. Dempsey/J.E. Thornhill - Equip. Engrs.	805 441.3
Cust.	Metropolitan Edison	File No. or Ref. NSS-5/12E32.1
Subj.	RCP Motors, Stator Temperature Set Point	Date 7/19/74

This letter is carbon and contains one and only one copy.

The following is in response to your phone call of July 18, 1974:

The NEMA approved limit of the observable temperature as measured by an embedded detector (RTD) for Class F insulation in motors of the size and voltage range of the RCP motors is 150°C. Based on NEMA and the A-C instruction manual, it is permissible to raise the stator temperature alarm set point to the maximum of 150°C. However, it is recommended that the set point be kept down to 145°C, 5° below the maximum allowable temperature, to permit corrective action following an alarm before the maximum allowable temperature is reached.

*J.E. Thornhill*

JDD/JET:dgw

cc: W.H. Spangler