

# Duquesne Light Company

Beaver Valley Power Station  
P.O. Box 4  
Shippingport, PA 15077-0004

JOHN D. SIEBER  
Vice President - Nuclear Group

June 12, 1990

4421 393-6295

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

Reference: Beaver Valley Power Station, Unit No. 1  
Docket No. 50-334, License No. DPR-66  
Additional Information For Operating License Change No. 156

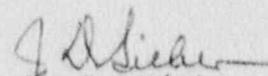
Gentlemen:

This letter documents our response to an NRC verbal request via conference call between Duquesne Light Company, Westinghouse and NRC staff on May 24, 1990 concerning our proposed Operating License Change Request No. 156. The NRC staff is reviewing WCAP-11419 that we provided as justification for the proposed technical specification change and had requested clarification of the magnitude of the confidence level of the Westinghouse Setpoint Methodology. Westinghouse provided the requested clarification in the verbal discussion and this clarification is documented in the following.

The basic Westinghouse setpoint methodology is the square root of the sum of the squares technique after accounting for statistically interactive effects. Westinghouse conservatively assumes several parameters to be dependent, even though it is possible with the use of "as left"/"as found" plant data to determine that the calibration tolerance is an absolute value, i.e., the "as left" condition of the module or string is not allowed to exceed the calibration tolerance. Thus, the calibration tolerance confidence level is better than 95%. Westinghouse also assumes a conservative allowance magnitude for rack drift and treats environmental allowances in the most conservative fashion, i.e. as biases. While Westinghouse has been careful to note only that the methodology results in a 95% probability at a high confidence level, it is believed, based on the conservatism noted above, that the confidence level is 95% or better.

If you have any questions regarding this submittal, please call me or members of my staff.

Very truly yours,

  
J. D. Sieber  
Vice President  
Nuclear Group

cc: Mr. J. Beall, Sr. Resident Inspector  
Mr. T. T. Martir, NRC Region I Administrator  
Mr. A. W. DeAgazio, Project Manager

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