



Nebraska Public Power District

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NLS8400273

November 15, 1984

50-298

Mr. Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: NUREG 0737 Supplement I/Compliance with Reg Guide 1.23

Reference: Letter from Jay M. Pilant to D. G. Eisenhut
dated April 15, 1983 (LQA8300129), "Response
to NUREG 0737 Supplement 1"

Dear Mr. Eisenhut:

In the above reference, the District stated that it was the intent of the CNS Meteorological System to meet the guidance contained in Regulatory Guide 1.23. Installation and testing of the new meteorological system has been completed. Evaluation of data demonstrates that the system complies with all NRC criteria as specified in the subject Reg Guide with the possible exception of accuracy limits for very large differential temperatures (ΔT) greater than 5.28°C (9.5°F) per 100 meters.

Electronic calibration checks of the ΔT error limits cannot be made directly and the manufacturer's guaranteed specifications imply that during conditions of large ΔT [$>5.28^{\circ}\text{C}$ (9.5°F)/100m] the error limits may exceed those specified in Reg Guide 1.23. Positive or negative values of this magnitude are so far beyond the extreme values expressed in Table 1 of the subject Reg Guide that the error limit of $\pm 0.15^{\circ}\text{C}$ per 50 meters will have no significant effect on the determination of atmospheric stability under these conditions.

Should you have any questions, or desire further information concerning this matter, please contact me.

Sincerely,

Jay M. Pilant
Manager, Technical Staff
Nuclear Power Group

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