

# Illinois Power Company

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500 SOUTH 27TH STREET, P. O. BOX 511, DECATUR, ILLINOIS 62525-1805

Docket No. 50-461

March 23, 1983

Director of Nuclear Reactor Regulation  
Attention: Mr. A. Schwencer, Chief  
Licensing Branch No. 2  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

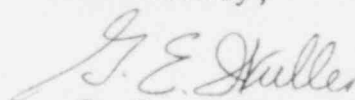
Dear Mr. Schwencer:

Clinton Power Station Unit #1  
Analog Trip Modules & Optical Isolators  
(SER Confirmatory Issue #26)

This letter provides additional information on the qualification and design of the optical isolators used in the Clinton Power Station (CPS). The optical isolators used at CPS have been qualified to meet IEEE 323-1974 and IEEE 344-1975 standards. The qualification program included the review of aging, seismic, environmental and electromagnetic interference affects. The optical isolators used in the NSSS systems are of the same design as those used at the Grand Gulf Station. The design of the non-NSSS optical isolators is similar to that used for the NSSS and meets the requirements for physical independence in Regulatory Guide 1.75.

We feel this information is sufficient to close SER Confirmatory Issue #26. Please let us hear, at your earliest convenience, if you have any questions.

Sincerely,



G. E. Wuller  
Supervisor-Licensing  
Nuclear Station Engineering

JPO/LG/jmm

cc: H. Abelson, NRC Clinton Project Manager  
R. A. Kendall, ICSB, NRC  
H. H. Livermore, NRC Resident Inspector  
Illinois Department of Nuclear Safety

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