

ILLINOIS POWER COMPANY



CLINTON POWER STATION, P.O. BOX 878, CLINTON, ILLINOIS 61727

March 7, 1986

Docket No. 50-461

Director of Nuclear Reactor Regulation
Attention: Dr. W. R. Butler, Director,
BWR Project Directorate No. 4
Division of BWR Licensing
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Clinton Power Station
Resolution of PVORT Technical Session
Concern Regarding Pump and Valve Operability Qualification

Dear Dr. Butler:

This letter is in response to an unresolved item orally identified by the NRC Pump and Valve Operability Review Team (PVORT) to Illinois Power during the January 28-29, 1986, technical session. The unresolved item is as follows:

What is the basis for the 100 impact tests identified by Seismic Qualification Package SQ-CL197 for the Anderson Greenwood Main Steam SRV discharge line vacuum relief valves (1B21-F037 series and 1B21-F078 series)?

Illinois Power's response is as follows:

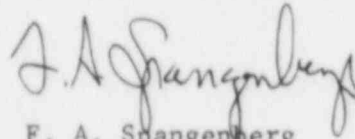
Procurement specification, K-2873A, specified a rapid opening transient, but did not identify a specific test. In order to meet the specification requirements, the vendor, Anderson Greenwood & Company, selected the 100 impact test. In a telephone conversation between H. LaRoche (Anderson Greenwood & Company) and C. T. Gentile (Illinois Power) on February 5, 1986, Mr. LaRoche stated that the 100 impact test value was determined from operational experience. Mr. LaRoche also noted that all other nuclear power plants modified their existing valves whereas only Clinton Power Station replaced their existing valves with valves specially designed for the impact loading case. In addition, Sargent & Lundy Engineers have performed and documented a Dynamic Fatigue Analysis for the above questioned valves and loading case. The results of the analysis have yielded no component failure within a 10,000 cycle period.

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Please contact us if you have any questions on this matter.

Sincerely yours,



F. A. Spangenberg
Manager - Licensing
and Safety

CTG/FAS/asp

cc: B. L. Siegel, NRC Clinton Licensing Project Manager
NRC Resident Office
Regional Administrator, Region III, USNRC
Illinois Department of Nuclear Safety