

DUQUESNE LIGHT COMPANY
Beaver Valley Power Station
Post Office Box 4
Shippingport, PA 15077

November 24, 1980
KVPS:JAW:1037

Beaver Valley Power Station Unit No. 1
Docket No. 50-334, License No. DPR-66
LER 80-085/01P

Mr. B. H. Grier
United States Nuclear Regulatory Commission
Region 1
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Mr. Grier:

In accordance with Appendix A, Beaver Valley Technical Specifications, LER 80-085/01P is being submitted. This occurrence was reported to Mr. D. A. Beckman, the Beaver Valley Resident Inspector, at 1120 hours on November 21, 1980.

At approximately 0600 hours on November 20, 1980 an operator observed that (2/4) two of four nuclear instrumentation power range channels were reading significantly higher than the others. N41 and N42 were indicating approximately 3%, while N43 and N44 indicated 0% power.

After calling for instrument support, it was discovered that there was no high voltage input to the detectors of either channels N43 or N44. The lack of high voltage indicated that the design high voltage protection circuit has de-energized the detectors. High voltage was removed from the circuit, which in turn resets the "crowbar" circuit. The circuit was then re-energized and the channels checked, both were normal. All circuits were returned to normal at 0615 hours.

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Mr. B. H. Grier
November 24, 1980
BVPS:JAW:1037
Page 2

Cause has not been established for this incident and is still being investigated. Failure of these two of four channels would have reduced the number of channels available to perform any protective function by one-half. Prior to a Reactor trip and safety injection incident on November 17, 1980 the Nuclear Shift Supervisor personally channel checked all the power range instruments were indicating properly. This was the first startup since that incident.

Very truly yours,

J. A. Werling
J. A. Werling
Superintendent

cc: Director Of Management & Program Analysis
United States Nuclear Regulatory Commission
Washington, D. C. 20555

W. J. Ross, BVPS Licensing Project Manager
United States Nuclear Regulatory Commission
Washington, D. C. 20555

D. A. Beckman, Nuclear Regulatory Commission, BVPS Site Inspector

P. Higgins, Secretary, Prime Movers Committee - EEI

Nuclear Safety Analysis Center, Palo Alto, California

Mr. John Alford, PA Public Utilities Commission, Harrisburg, PA