



Duquesne Light

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

April 8, 1980
BVPS:JAW:830

Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, License No. DPR-66
LER 80-022/01T

Mr. B. H. Grier, Director of Regulation
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, the following occurrence is reported. This occurrence was discussed with the Beaver Valley NRC Resident Inspector, Mr. D. A. Beckman, at 1300 hours on April 7, 1980.

The plant was in Operational Mode 5 with the steam generators drained and Reactor Coolant System (RCS) level at mid-span in the loops. RCS temperature was 81F and the "B" Residual Heat Removal (RHR) Pump was in service.

A complete loss of RHR flow occurred when plant operators were attempting to increase RHR flow from 1000 gpm to 3000 gpm so the RCS could be recirculated through Mixed Bed Demineralizer [CH-I-1A]. The resin in [CH-I-1A] had been replaced and had not been used so a dilution of approximately 50 ppm was expected. BVPS Technical Specifications require 3000 gpm core flow when diluting. At 1234 hours, with RHR flow at approximately 2500 gpm, the RHR Pump [RH-P-1A] ammeter started to oscillate and then dropped to zero. The operator then tried to start [RH-P-1B] but it also was air-bound. Operators were dispatched to containment to vent both RHR pumps. RHR flow was restored at 1309 hours with RCS temperature at 81F. Several subsequent attempts were made to increase flow; but, each time, the pump running current began to oscillate so the operator returned flow to normal.

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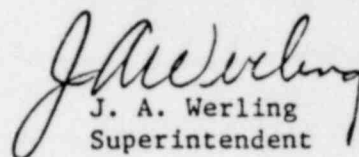
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Maintenance personnel were requested to check flow transmitter calibration and the operating procedure was changed to require an operator to vent at all times during this evolution.

Any additional information and corrective action will be discussed in a followup report.

Very truly yours,


J. A. Werling
Superintendent

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

D. L. Wigginton, BVPS Licensing Project Manager ✓
United States Nuclear Regulatory Commission
Washington, D. C. 20555

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

G. A. Olson, Secretary, Prime Movers Committee - EEI

C. J. Six, PA Public Utilities Commission, Harrisburg, PA