

Duquesne Light Company

Beaver Valley Power Station
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U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Reference: Beaver Valley Power Station, Unit No. 1 and No. 2
BV-1 Docket No. 50-334, License No. DPR-66
BV-2 Docket No. 50-412, License No. NPF-73
NRC Bulletin 88-08

Gentlemen:

In our letters dated July 14, 1989, and February 7, 1990, we provided follow-up reports for NRC Bulletin 88-08, "Thermal Stresses in Piping Connected to Reactor Coolant Systems" for Beaver Valley Units 1 and 2 respectively. In these letters, we stated that we would provide our plans for a long term solution to Action Item 3 of the Bulletin by June 30, 1990 and that temperature monitoring would continue until a long term solution was implemented.

We have investigated several long term solutions including the following:

1. installation of heat tracing on the affected piping to ensure that the fluid is kept at a uniform temperature.
2. installation of additional isolation valves in series with existing valves along potential leak paths to minimize the amount of leakage possible.
3. piping or valve modifications to reduce the section of unisolable branch piping that could be affected by stratification.

The Electric Power Research Institute (EPRI) has also initiated Research Program RP-3153 to study thermal stratification, cycling and striping (TASCS). This program will develop guidelines for design, analysis, and plant operations to address or mitigate the effects of TASCS. This program is expected to be complete in mid 1992.

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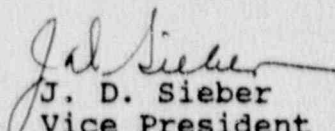
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Thus far we have not detected any conditions which warrant additional NDE or analysis. We will continue to monitor the temperature in the affected lines and evaluate the results. These results, along with the results of the EPRI program and actions successfully implemented at other plants, will form the basis for our long term solution. We will notify the NRC of our plans for a long term solution before discontinuing temperature monitoring.

If you have any questions concerning this matter, please contact my office.

Very truly yours,


J. D. Sieber
Vice President
Nuclear Group

cc: Mr. J. Beall, Sr. Resident Inspector
Mr. T. T. Martin, NRC Region I Administrator
Mr. A. DeAgazio, Project Manager
Mr. R. Saunders (VEPCO)