



Duquesne Light

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July 31, 1984

U. S. Nuclear Regulatory Commission
Division of Licensing
Attn: Steven A. Varga, Chief
Operating Reactors Branch No. 1
Division of Licensing
Washington, DC 20555

Reference: Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, License No. DPR-66
Request for Additional Information on Asymmetric LOCA Loads

Gentlemen:

In response to your letter of May 25, 1984 requesting information on our asymmetric LOCA loads analysis submitted on January 14 and June 18, 1976, we have reviewed the request and Generic Letter 84-04. Our review indicated that it would be more advantageous to perform a fracture mechanics evaluation to justify a leak before break position, instead of analyzing double-ended guillotine breaks.

The bases for revising our position is:

- Advances in analytical methods indicate that the leak before break scenario is more realistic than a double-ended guillotine break.
- The fracture mechanics evaluation should satisfy the concern raised for asymmetric blowdown loads during N-1 loop operation (SER dated July 20, 1984)
- The cost-benefit appears favorable in that future modifications can satisfy GDC-4 with the fracture mechanics evaluation.

Per a discussion between Mr. P. Tam (NRC) and Mr. K. D. Grada (DLC) on July 19, 1984, it was indicated that the fracture mechanics evaluation will be a satisfactory response to your letter of May 25, 1984. However, at this time, we are unable to establish a schedule for completion of the evaluation as the contractual commitments have not been finalized with Westinghouse. When additional scheduling information is available, we will contact the NRC Project Manager and establish a mutually agreeable schedule.

Therefore, we are proceeding with a fracture mechanics evaluation to demonstrate the applicability of Beaver Valley 1 to the modeling and conclusions contained in the Westinghouse A-2 Owner's Group reports on Fracture mechanics as our resolution of Unresolved Safety Issue A-2.

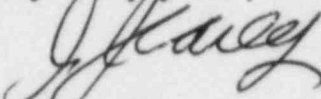
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If you have any questions on this response, please contact my office.

Very truly yours,



J. J. Carey
Vice President, Nuclear

Mr. W. M. Troskoski, Resident Inspector
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