



Duquesne Light

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March 29, 1984

Director of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Attn: Mr. 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
NUREG-0737, Item II.B.1 Reactor Coolant
System Vents Beaver Valley 1

Gentlemen:

In our letters dated July 1, 1981 and May 11, 1982, we provided you information and details related to the design of the head vent system. By letter dated August 25, 1983 and in accordance with 10CFR50.12, we requested a schedular exemption to 10CFR50.44(c)(3)(iii) (48FR58484) which was subsequently granted by your letter of January 12, 1984. During this period, we have continued to evaluate the design and the operational anomaly associated with the Target Rock Solenoid Valves.

We have concluded that the anomaly associated with these hydraulically assisted valves is acceptable since our review of the phenomenon has not identified any case whereby two series valves would misoperate for a sustained period simultaneously, and further that revised procedures can largely eliminate the problem. Because the misoperation of the valves is short in duration, contains an orifice (7/32") to preclude a significant LOCA and is understood at this time, we have taken steps to make the system available such that our schedular exemption to the fourth refueling outage is no longer required.

Our procedures have been revised such that the downstream valve will be opened first and closed last to avoid pressure impulses on the downstream side of the valve which is the primary cause of the misoperation, or burping.

We have compared the system design to the criteria of the Standard Review Plan 5.2.3 and incorporated the valves into our Seismic and Environmental Qualification Program as requested in your SER dated September 8, 1983. The valves have also been tested and incorporated into the Inservice Testing Program and the safety analyses for the design change has been revised to reflect our review.

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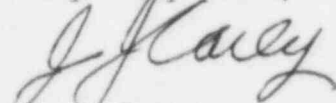
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Based on the considerations expressed above, we have determined that the modification can be made available under the provisions of 10CFR50.59 and are proceeding on this basis. At the present time, the valve alignment is completed and electrically available. The system could be utilized if required and is under the control of the shift supervisor.

We have aggressively pursued those actions necessary to make this system available for service so as to provide its associated safety benefit at the earliest possible time.

Very truly yours,



J. J. Carey
Vice President, Nuclear

cc: Mr. W. M. Troskoski, Resident Inspector
U. S. Nuclear Regulatory Commission
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