



**Duquesne Light**

Nuclear Division  
P.O. Box 4  
Shippingport, PA 15077-0004

Telephone (412) 456-6000

October 25, 1982

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  
Revised Pages to Letter Dated October 5, 1982

Gentlemen:

Enclosed are two revised pages that should be changed in our letter dated October 5, 1982 "Response to Request for Additional Information" concerning Technical Specification change request No. 77. The attached revised pages 3 and 4 to that letter clarify the automatic actuation signals to the applicable valves. Please delete pages 3 and 4 from that response and insert these revised pages.

Very truly yours,

*J. J. Carey / RFB*  
J. J. Carey  
Vice President, Nuclear

Enclosure

cc: Mr. W. M. Troskoski, Resident Inspector  
U. S. Nuclear Regulatory Commission  
Beaver Valley Power Station  
Shippingport, PA 15077

U. S. Nuclear Regulatory Commission  
c/o Document Management Branch  
Washington, DC 20555

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- B. Criteria for leakage testing certain isolation valves using water as the test pressure fluid.

The minimum water inventory available in each system is adequate to fulfill the system function even though one pump may be out of service (single active failure criteria) because each train is cross-connected to allow flow in each flowpath. Water evaporation and boiling is not considered a problem because after the initial one hour time period following a LOCA, the containment pressure and temperature profiles assure that containment pressure is subatmospheric and containment temperature is approaching the normal containment operating range.

- C. Description of automatic valve actuation.

Reactor Coolant System Charging - (Pent. 15)

1CH-31	Close on Safety Injection Signal (SIS)
MOV-1CH-289	Valves would see HHSI discharge pressure on inlet side of the valve.

Seal Injection Water to Reactor Coolant Pump - (Pent. 35, 36, 37)

1CH-181, 1CH-182	Valves would be open with HHSI flow through them to maintain reactor coolant pump seal injection flow.
1CH-183, MOV-1CH-308A	
MOV-1CH-308B, MOV-1CH-308C	

Steam Generator Blowdown - (Pent. 39, 40, 41)

TV-1BD-100A, TV-1BD-100B, TV-1BD-100C	Close on CIA actuation, valves are located within a sealed system and would not be subject to containment atmosphere.
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Steam Generator Blowdown Samples - (Pent. 56, 105, 97)

TV-1SS-117A, TV-1SS-117B, TV-1SS-117C	Close on CIA actuation, valves are located within a sealed system and would not be subject to containment atmosphere.
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High Head Safety Injection to Hot Legs - (Pent. 7,33)

ISI-83, ISI-84, MOV-ISI-869A, MOV-ISI-869B	See drawings for status during various injection and recirculation phases. Valves are either open or see HHSI pressure on inlet side of valves for 30 days.
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Low Head Safety Inj. - (Pent. 60, 61, 62)

1SI-451, 1SI-452, 1SI-10, 1SI-11, 1SI-12, 1SI-13, 1SI-14, MOV-1SI- 890A, MOV-1SI-890B, MOV- 1SI-890C	See Drawings for status during various injection and recirculation phase. Valves are either open or see LHSI discharge pressure for 30 days.
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Quench Spray Pump-Discharge - (Pent. 63, 64)

MOV-1QS-101A, MOV-1QS-101B	Opens on CIB actuation, valves would see QS pump discharge pressure for the initial one hour time period following a LOCA after which time containment will be subatmospheric. Valves are then closed and will have RWST head pressure against them for 30 days.
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Boron Injection (HHSI to Cold Legs) - (Pent. 113)

1SI-94, 1SI-91, MOV-1SI-867C, MOV-1SI- 867D	Open on SIS actuation, valves would see HHSI discharge pressure for 30 days.
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High Head Safety Injection (HHSI) to Cold Legs - (Pent. 96)

1SI-95, MOV-1SI-836	See drawings for status during various injection and recirculation phases. Valves would see HHSI discharge pressure for 30 days.
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Low Head S.I. Pump Suction from Containment Sump - (Pent 68, 69)

MOV-1SI-860A, MOV-1SI-860B	Automatic recirculation phase changeover actuation, these valves are in the LHSI suction piping from the containment sump and would be water covered for 30 days.
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Reactor Coolant System Fill - (Pent. 46)

1CH-170 FCV-1CH-160	Valves are normally closed and would see HHSI pump discharge pressure for 30 days.
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D. BVPS-1 Updated FSAR References

Section 5.5 Design Evaluation states that "Through the use of the containment depressurization system, the containment returns to subatmospheric pressure within 60 minutes after initiation of a LOCA, thus terminating outleakage from the containment".