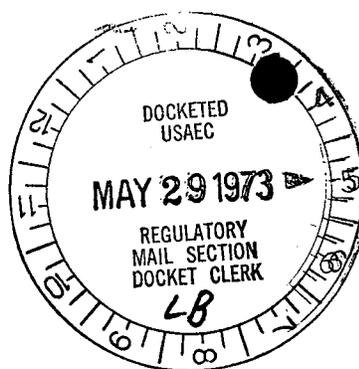


Carl L. Newman  
Vice President

Regulatory

File Cy.

Consolidated Edison Company of New York, Inc.  
4 Irving Place, New York, N. Y. 10003  
Telephone (212) 460-5133



May 25, 1973

Re Indian Point Unit No. 3  
Docket No. 50-286

Mr. R. C. DeYoung  
Assistant Director for Pressurized  
Water Reactors  
Directorate of Licensing  
U. S. Atomic Energy Commission  
Washington, D. C. 20545

Dear Mr. DeYoung

Your letter dated May 2, 1973, identified requirements for certain motor operated valves used to isolate the suction line of the Low Pressure Residual Heat Removal (RHR) System from the High Pressure Reactor Coolant System.

The following summarizes the modifications to be incorporated into the RHR System to meet these requirements:

1. For the specific valves of concern, valves 730 and 731 in the RHR System, each valve will be controlled via a separate pressure channel sensing Reactor Coolant System Pressure. For this purpose, the present pressure channel will be modified and retained exclusively for use in controlling valve No. 730, where as a new separate identical pressure channel will be provided for controlling valve No. 731. Each valve, its associated pressure channel, and related circuitry will be powered from separate instrument buses and wiring separation will be provided to preclude any single failure from rendering both of the valves control circuits inoperable. The control circuitry will be based on an "energize to actuate" principle. In addition, each of the pressure channels will have separate visual indication in the control room to show channel operability.
2. Each pressure channel for the two valves will; (a) provide an interlock that will prevent the related valve from being opened whenever the Reactor Coolant System Pressure is above an RHR System Designated Pressure Setpoint (which is below the RHR System Design Pressure), (b) provide an interlock to close the isolation valve automatically whenever the Reactor Coolant System Pressure exceeds the RHR System Designated Pressure Setpoint (which is below the RHR System Design Pressure) and, (c) provide an interlock to prevent the valve from closing automatically whenever the Reactor Coolant System Pressure is below the RHR System Designated Pressure Setpoint.

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Mr. R. C. DeYoung

-2-

May 25, 1973

Re Indian Point Unit No. 3  
Docket No. 50-286

3. Valves 730 and 731 will have separate open-closed status lights. In addition, a visual and audible alarm will be provided to indicate when either valve leaves its full open position.
4. To reflect these design changes, FSAR pages will be amended as follows:

Fig. 6.2-1

9.3-6

9.3-10

9.3-18

Q7.16

Q7.21

These modifications will be made and completed in Indian Point Unit No. 3 prior to initial criticality.

Very truly yours

*for* *Paul Clement, Acting Vice President*

Carl L. Newman  
Vice President

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