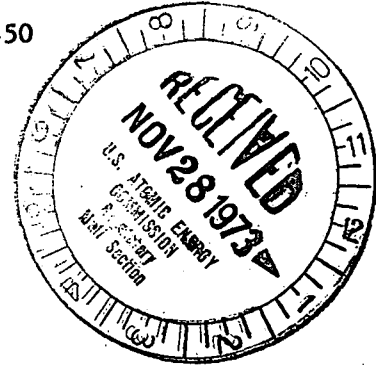




Commonwealth Edison
One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
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WPW Ltr.#869-73

Dresden Nuclear Power Station
R. R. #1
Morris, Illinois 60450
November 21, 1973



Mr. J. F. O'Leary, Director
Directorate of Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

SUBJECT: ISOLATION OF ISOLATION CONDENSER SYSTEM

Reference: Letter from W. P. Worden dated October 20, 1973 concerning Isolation Condenser Valve Trip.

Dear Mr. O'Leary:

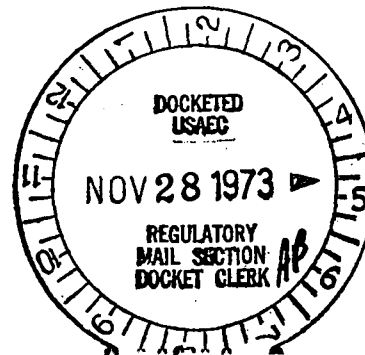
This letter is to furnish additional information in regards to the isolation of the isolation condenser system on October 19, 1973. During that incident, the isolation condenser system isolated following its initiation.

An investigation into the problem revealed that the isolation was caused by high flow being sensed on the condensate return line. Flow in the condensate return is sensed by two differential pressure switches off an elbow tap. The two switches on the condensate return line are PS-2-1349A and B, and are arranged so one switch is a back up to the other.

An inspection of the differential pressure switches revealed that both switches had a scale which read from 0% to 100% flow. It was also discovered that switch PS-2-1349B was indicating a flow of 15% or 3" of water, and that switch PS-2-1349A was indicating 5% flow or 1" of water.

A calibration check was then performed on both switches on the condensate return line to verify their pressure settings. During the calibration check, both switches were valved out and an external pressure applied. It was determined by the check that both switches were reading correctly.

To verify the above findings and to determine if there was an actual flow in the line, the downstream valve was closed. Following the closure of the MO-2-1301-4 valve, the pressure switches were checked and found to continue to indicate flow. The 2-1301-4 valve was then returned to its normal position.



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November 21, 1973

During November 11th through the 15th, Unit #2 was in shutdown for a permanent magnet generator failure, and a snubber inspection was performed. During the snubber inspection, the sensing lines for the isolation condenser were inspected. It was found that for the condensate return line pressure switches there was a difference in the routing of the sensing lines. It was found that the high pressure leg for the condensate return line pressure switches was approximately two and one half feet higher than the low pressure leg.

To correct this condition, the condensate return line differential pressure switches will be recalibrated. During the recalibration, the differences in the sensing line routing will be taken into account. This correction in calibration will insure the isolation of the isolation condenser system at the proper flow.

Sincerely,

Fred S. Morris

for W. P. Worden
Superintendent

WPW:do

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