

Turkey Point Plant
May 18, 1973

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

TURKEY POINT UNIT NO. 4
DOCKET NO. 50-251
ABNORMAL OCCURRENCE NO. 4-73-3
4A RHR PUMP LEAKAGE



Dear Mr. O'Leary:

This report is submitted in accordance with Technical Specification 6.6.2(a) and in amplification of Mr. J. K. Hays' telephone notification to Mr. R. C. Lewis, Region II, Directorate of Regulatory Operations on May 10, 1973.

During initial post core loading heatup of the Reactor Coolant System at 2:50 PM, May 9, 1973, with RCS temperature about 440°F and RCS pressure about 800 psi, the 4A RHR pump began leaking reactor coolant along the pump shaft at a rate estimated visually at 5 gallons per minute and calculated later at 6 to 7 gallons per minute. At that time, the RHR System was isolated from the RCS System with only RWST head on the system and with neither RHR pump in operation.

The immediate corrective action consisted of closing MOV-4-862B. This valve is one of two motor operated valves in series in the combined suction line for both RHR pumps. Attempts were then begun to close valve 4-752A, the manual isolation valve on the suction of the 4A RHR pump, so MOV-4-862B could be reopened and an RHR flow path restored through the 4B RHR pump. However, valve 4-752A would not close. This failure is Abnormal Occurrence No. 4-73-5 and is reported completely in a separate letter.

After valve 4-752A was disassembled and reassembled in the closed position, the RHR pump was removed, disassembled and inspected to determine the cause of the leak. A vendor representative is on site to assist in determining the cause of the leak. A followup report will be submitted when the cause and corrective action is known.

The pump leakage is an Abnormal Occurrence, as an abnormal degradation of a boundary designed to contain fission products. However, because the reactor had not yet been critical, no fission products were present in the RCS. This, was verified by sampling in accordance with Technical Specifications. Hence, no radioactivity

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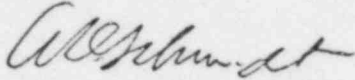
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was released through the break. If the RCS had contained fission products, they would have been contained in the radioactive drain system which would have been monitored and processed, prior to release to the environment, in accordance with plant procedures. The health and safety of the public was not affected by this occurrence.

Very truly yours,



A. D. Schmidt
Director of Power Resources

ADS:DWJ:jw

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