



Turkey Point Plant
January 15, 1973

50-250

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

TURKEY POINT UNIT NO. 3
DOCKET NOS. 50-250 AND 50-251
ABNORMAL OCCURRENCE NO. 3-73-1

Dear Mr. O'Leary:

This report is submitted in accordance with Technical Specification 6.6.2 a and supplements Mr. J. K. Hays' telephone notification to Mr. R. C. Lewis, Region II, Directorate of Regulatory Operations at 8:15 PM, January 6, 1973.

At approximately 1:46 AM, January 6, 1973, while Unit 3 was at approximately 30% (200 MWe) power, the Loop B Reactor Coolant System RTD Bypass Loop flow transmitter, FSAR Figure 4.2-1, FT-3-491, (ITT Barton Model 290A Differential Transmitter, 0-600 inch H₂O range, serial 290A 1041) began leaking at a rate of approximately 12 gpm. The redundant leak detection systems functioned as designed to alert the operators to the condition. Immediate corrective action was taken and the transmitter was isolated at 2:23 AM, and then replaced.

The health and safety of the public was not affected in any way by the leakage because all contamination was confined within Unit 3 Containment. The maximum contamination measured in the vicinity of the leakage was 200,000 dpm/100 cm². Airborne particulate activity increased to a maximum of 10⁻⁷ μ Ci/cc. Gaseous activity did not change during the leak. The Reactor Coolant System gross β - γ activity during the leak was about 3.5 X 10⁻² μ Ci/cc. No equipment was damaged by the leaking reactor coolant water or the resultant steam and the maximum personnel exposure was 150 mrem.

After finding the leaking Loop B RTD bypass loop flow transmitter, the Loop A and Loop C RTD bypass loop flow transmitters were checked. It was found that Loop C bypass loop flow transmitter was leaking around the flange screws. The transmitter was isolated and replaced.

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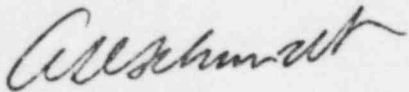
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inquiry

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The cause of the failure has not been determined at this writing. Westinghouse and the instrument vendor are actively investigating the failure.

We will advise you as soon as the investigation has been completed, and corrective action is determined.



A. D. Schmidt
Director of Power Resources

ADS:DWJ/vv

cc: Mr. John Davis, Director
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