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BBS Ltr.#365-74

Dresden Nuclear Power Station
R. R. #1
Morris, Illinois 60450
May 21, 1974

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

50-249



SUBJECT: LICENSE DPR-25, DRESDEN NUCLEAR POWER STATION, UNIT #3, REPORT
OF ABNORMAL OCCURRENCE PER SECTION 6.6.B.1.a OF THE TECHNICAL
SPECIFICATIONS.
EXCESSIVE LEAKAGE THRU MSIV 3-202-1B.

References: 1) Notification of Region III of AEC Regulatory Operations
Telephone: F. Maura, 1600 hours on May 16, 1974
Telegram: J. Keppler, 1620 hours on May 16, 1974

2) Dwgs: P&ID M-345

Dear Mr. O'Leary:

This letter is to report a condition relating to the operation of the unit on May 15, 1974. On this date, during local leak rate testing of the main steam isolation valves, valve 1B was found to have leakage of 24.8 scf/hr. This malfunction is contrary to section 4.7.A.2.f(2)(c) of the Technical Specifications which requires that the maximum allowable leakage for any one main steam line isolation valve is 11.5 scf/hr @ 25 PSIG.

PROBLEM

On May 15, 1974, local leak rate tests were being conducted on Unit 3 main steam isolation valves. A test on valves 1B and 2B revealed a leakage rate of 30.8 scf/hr. On March 14, 1974, 2B was tested and found to have a leakage rate of 6.0 scf/hr. This implies 1B has a leakage rate of 24.8 scf/hr. At the time of the occurrence, Unit 3 was in its second major outage and primary containment was not required.

INVESTIGATION

It was decided that both valves 203-1B & 2B internal components would be inspected to determine the source of the leakage. Upon inspection, valve 203-2B was found to have a warped valve seat and valve 1B was checked and found to have hairline cracks in the stellite overlay on the disc.

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Handwritten signature and date 5-24-74

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May 21, 1974

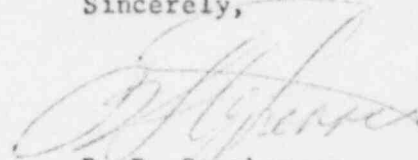
CORRECTIVE ACTIONS

The corrective actions taken on MSIV 2B was to lap the seating surfaces and reinstall. As a result of the hairline cracks, MSIV 1B will be fitted with a new disc which will be lapped and reinstalled. The leak test for these valves will be included in the primary containment leak rate test report to be submitted for this outage. The other six MSIV's have been leak tested and found satisfactory.

EVALUATIONS

The failure of MSIV 1B did not effect the safety of plant personnel or the public because the back-up valve in this line, MSIV 2B, had leakage within Technical Specification limits. A review of MSIV problems has verified that this is the first failure of this type. It is therefore concluded that the corrective action stated above is adequate.

Sincerely,



B. B. Stephenson
Superintendent

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