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BBS Ltr.#510-74

Dresden Nuclear Power Station
R. R. #1
Morris, Illinois 60450
July 22, 1974

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

50-249



SUBJECT: REPORT OF ABNORMAL OCCURRENCE PER SECTION 6.6.B.1.a OF THE
TECHNICAL SPECIFICATION .
CONTAINMENT OXYGEN CONCENTRATION OUT OF LIMIT.

- References: 1) Regulatory Guide 1.16 Rev.1 Appendix A
- 2) Notification of Region III of AEC Regulatory Operations
Telephone: Mr. F. Maura, 1030 hours on July 16, 1974
Telegram: Mr. J. Keppler, 1353 hours on July 16, 1974
- 3) Dresden Station P&ID M25

Report Number: 50-249/1974 27

Report Date: July 22, 1974

Occurrence Date: July 16, 1974

Facility: Dresden Nuclear Power Station, Morris, Illinois

IDENTIFICATION OF OCCURRENCE

Torus oxygen concentration above 4% after 24 hours.

CONDITIONS PRIOR TO OCCURRENCE

On July 12, 1974 a request was made for additional nitrogen. Delivery was promised by 1700 hours on July 14, 1974. The unit was in shutdown and scheduled to start-up by 2300 hours on July 14, 1974.

DESCRIPTION OF OCCURRENCE

On July 14, 1974, start-up of the unit began. The unit was placed in the run mode at 0935 hours on July 15, 1974. Inerting of the drywell was

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July 22, 1974

terminated at 2140 hours, July 15, 1974 because a level of 57 inches had been reached in the nitrogen storage tank and additional nitrogen had not been received. Termination of inerting was an attempt to comply to Technical Specification 3.7.6.6 which requires level to be 60 inches when either Unit 2 or 3 is at power. After samples were taken and calculations performed, it was discovered that additional nitrogen was required. Inerting again commenced, however, the 24 hour, 4% oxygen limit had been exceeded. At the termination of 24 hours, the oxygen concentration was 4.5%. The oxygen concentration was within the 4% limit at 1315 hours on July 16, 1974.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE

The cause of the occurrence was the nitrogen supplier failing to meet his delivery date of July 14, 1974.

ANALYSIS OF OCCURRENCE

The failure to meet the 4% oxygen concentration limit did not put the safety of the plant or public in jeopardy. At the end of the 24 hour period, oxygen concentration had exceeded the limit by only .5%. In addition, the 4% limit was met by 1315 hours on July 15, 1974.

CORRECTIVE ACTION

The vendor was called when the delivery did not arrive on time. It was then learned that the vendor had lost the original order. This is the first time this problem has occurred and the vendor has assured us it will not happen again. This is considered an isolated incident and no further corrective actions are required.

FAILURE DATA

No previous occurrences of this type were reported since the applicable Technical Specification has only been in effect since April 19, 1974.

Sincerely,

Arthur M. Roberts

for E. B. Stephenson
Superintendent

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