



Commonwealth Edison

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BBS Ltr. #595-75

Dresden Nuclear Power Station

R. R. #1

Morris, Illinois 60450

September 8, 1975



Mr. James G. Keppler, Regional Director
Directorate of Regulatory Operation-Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

SUBJECT: REPORT OF ABNORMAL OCCURRENCE PER SECTION 6.6.A OF THE TECHNICAL
SPECIFICATIONS
UNIT 2/3 DIESEL GENERATOR COOLING WATER PUMP TRIP

- References: 1) Regulatory Guide 1.16 Rev. 1 Appendix A
- 2) Notification of Region III of U. S. Nuclear Regulatory Commission
Telephone: P. Johnson, 1215 hours on August 30, 1975
Telegram: J. Keppler, 1555 hours on September 2, 1975
- 3) Drawing Number M-355, 12E2351B

Report Number: 50-237/75-42

Report Date: September 8, 1975

Occurrence Date: August 29, 1975

Facility: Dresden Nuclear Power Station, Morris, Illinois

IDENTIFICATION OF OCCURRENCE

The Unit 2/3 diesel generator cooling water pump tripped. The 2/3 diesel generator itself subsequently tripped on high-temperature.

CONDITIONS PRIOR TO OCCURRENCE

Unit-2 was at a steady-state power level of 2463 MWt and 793 Mwe. Unit-3 was in the shutdown mode for a refueling outage. A deluge fire test of the Unit-3 reserve auxiliary transformer was being performed when the incident occurred.

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DESCRIPTION OF OCCURRENCE

At approximately 1210 hours on August 29, 1975, the Unit 2/3 diesel generator was started and loaded to about 2MW. At 1445 hours the diesel tripped on high-temperature. Alarms indicated a cooling water pump failure.

The cooling water pump is normally fed from bus 28-3, automatically transferring to bus 38-3 in the event of a breaker trip. The breakers on both buses were found tripped.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE

No definite cause for the pump trip can be established at this time. An investigation is underway to determine why both breakers tripped.

ANALYSIS OF OCCURRENCE

The Unit-2 diesel generator and all low-pressure emergency core cooling systems on Unit-2 were immediately proven operable. Unit-3 was in the shutdown mode with its diesel generator operating at the time of the occurrence. Adequate emergency power was available at all times to supply ECCS in accident conditions. The health and safety of plant personnel and the public were not threatened by this occurrence.

CORRECTIVE ACTION

The cooling water pump was inspected immediately following the trip and was found to be cool with no evidence of being air-bound. The pump was re-started and appeared to operate smoothly. On September 5, 1975, after running for a period of approximately two hours, the pump tripped again.

Investigation of the 2/3 cooling water pump and its associated breakers will be continued. The Unit-2 and -3 diesel generator cooling water pumps have proven operability by operating relatively long periods of time without difficulty. Further corrective action will be taken when a specific cause has been identified. A follow-up letter will be submitted at that time.

FAILURE DATA

The cooling water pumps have never experienced problems of this nature before.

Arthur M. Roberts
for B. B. Stephenson
Superintendent

BBS:JEM:smp
File/NRC