



**Commonwealth Edison**  
 One First National Plaza, Chicago, Illinois  
 Address Reply to: Post Office Box 767  
 Chicago, Illinois 60690

Regulatory

File Cy.

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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SEP 10 1975

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

Directorate of Regulatory Operations  
Region III  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Televised Date 7-2-75  
or  
Telegraphed: CE \_\_\_\_\_  
DC 12:45 P.M.  
By KC

cc:  
Bernard C. Rusche, Director  
Directorate of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

50-237/A0 75-42

SUBJECT: DPE-19, Dresden Nuclear Power Station, Unit 2.

This will confirm a conversation with Mr. P. JOHNSON of your office at 1215 hrs 8/30/75 concerning A TRIP OF THE DIESEL GENERATOR DURING OPERATION FOLLOWING FAILURE OF THE GENERATOR COOLING WATER pump. AT THE TIME OF THE TRIP, UNIT 2 WAS OPERATING AT 773 Mwe AND UNIT 3 WAS COLD SHUTDOWN FOR A REFUELING OUTAGE. THE DIESEL WAS OPERATING AT THE TIME AND LOADED TO UNIT 3 DURING RESERVE AUXILIARY TRANSFORMER WORK. THE DIESEL GENERATOR AND COOLING WATER PUMPS WERE CHECKED AND NO PROBLEMS FOUND. INVESTIGATION IS CONTINUING AND WILL BE REPORTED IN A FOLLOWUP 10 DAY REPORT.

To Call:

CE - 5-858-2660x16 (auto)  
DC - 9-1-301-492-7617 (auto) - on 6  
WU - 815-942-4449/4321

Station Dist: Originator (copy)  
Incident File (copy)

B. B. Stephenson, Superintendent  
Dresden Nuclear Power Station  
Commonwealth Edison Company  
R.R. #1  
Morris, IL 60450

Telephone: 815-942-2920/2921x212

*Docketing*

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*10-75-42*

NRC BHDA

WU INFOMASTER 2-038377C254 09/11/75

TLX WU WSH

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TWX 7108240415 NRC BHDA

SPL060 WAA151(1655)(2-038440E254)PD 09/11/75 1655

ICS IPMBNGZ CSP

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PMS BERNARD C RUSCHE, DIRECTOR, DIRECTORATE OF LICENSING U S

NUCLEAR REGULATOR COMMISSION, WUX

WASHINGTON DC 20555

SUBJECT: DPR-19, DRESDEN NUCLEAR POWER STATION, UNIT TWO.

THIS WILL CONFIRM A CONVERSATION WITH MR P JOHNSON OF YOUR OFFICE AT 330 PM THIS DATE CONCERNING A TRIP OF 2/3 DIESEL GENERATOR COOLING WATER HUMP BREAKER ON BUS 28-3. THE PUMP WAS RUNNING FOR A TEST OF THIS BREAKER WHICH HAD TRIPPED ON 9-2-75 WHILE THE DIESEL GENERATOR WAS IN SERVICE. THIS PUMP HAS AN ALTERNATE FEED ON BUS 38-3.

AT THE TIME OF THE HUMP TRIP UNIT TWO WAS OPERATING AT 810MWE. UNIT THREE WAS IN COLD SHUTDOWN.

B B STEPHENSON, SUPERINTENDENT DRESDEN NUCLEAR POWER STATION  
COMMONWEALTH EDISON CO RR 1 MORRIS IL 60450

1849 EST

NRC BHDA