



Commonwealth Edison

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

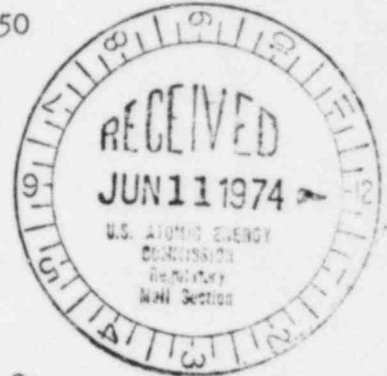
Dresden Nuclear Power Station
R. R. #1
Morris, Illinois 60450

BBS Ltr. #397-74

June 4, 1974

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

50-237



SUBJECT: LICENSE DPR-19, DRESDEN NUCLEAR POWER STATION UNIT 2,
SUPPLEMENTARY INFORMATION TO REPORT OF ABNORMAL OCCURRENCE
PER SECTION 6.6.B.2 OF THE TECHNICAL SPECIFICATIONS.
UNIT 2 DIESEL GENERATOR TRIP

Reference: Report of Abnormal Occurrence to Mr. J. F. O'Leary of the
Atomic Energy Commission dated March 8, 1974.

Dear Mr. O'Leary:

This letter is to furnish supplementary information to our report of March 8, 1974, concerning Unit 2 Diesel Generator Trip. In that report we stated that the fuse clip holders would be modified such that they would be permanently installed in the circuit.

On further inspection it was discovered that the failure as reported was due to a design failure. The original design of the fuse clip door was such that when closed it allowed improper alignment of the fuse clips. The improper alignment was due to the fact that when the door was closed it was secured in only one corner. Being secured in only one corner allowed the door to bow slightly causing misaligned fuse clips.

To correct the bow a modification to the fuse clip holder door was performed. The modification did not permanently install the fuses in the circuit as reported. Instead it added three twist locks to the door such that when closed it would be secured evenly. As of this date the twist locks have been installed on the unit 2, 3 and 2/3 diesel generators.

Sincerely,

B. B. Stephenson
B. B. Stephenson
Superintendent

BBS:TEL:jw

cc: TEL
AEC Corr. Cat. I

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Inc 9 50237
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Commonwealth Edison

One First National Plaza, Chicago, Illinois

Address Reply to: Post Office Box 767
Chicago, Illinois 60690

WPW Ltr.#175-74

Dresden Nuclear Power Station

R. R. #1

Morris, Illinois 60450

March 8, 1974



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

SUBJECT: LICENSE DPR-19, DRESDEN NUCLEAR POWER STATION, UNIT 2. REPORT OF
ABNORMAL OCCURRENCE PER SECTION 6.6.B.2 OF THE TECHNICAL SPECIFICATIONS.
UNIT 2 DIESEL GENERATOR TRIP.

- References: 1) Notification of Region III of AEC Regulatory Operations.
Telephone: Mr. F. Maura, 1420 hours on March 4, 1974.
- 2) Dresden Station Electrical Prints
12E2334, 12E2336, and 12E2346

Dear Mr. O'Leary:

This letter is to report a condition relating to the operation of the unit at 1905 hours on March 1, 1974. At this time, the unit diesel tripped due to a differential fault. This malfunction is contrary to the basis for section 3.9 of the Technical Specifications which requires that an adequate supply of electrical power be available during operation.

PROBLEM

Following the replacement of the Unit 2 diesel generator fuel oil hose, the diesel was started and ran for an operational test. During this test, the diesel generator tripped after about 40 minutes of operation.

At the time of the occurrence, the unit was just critical, thermal power was about 3 megawatts with the mode switch in the startup position.

INVESTIGATION

An investigation into the problem revealed that a differential trip occurred due to an intermittent open on the "B" phase of the diesel generator output. The open on "B" phase was due to a failure of the bus fuse clips which were found burnt off.

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March 8, 1974

On further investigation, it was discovered that the clips had been replaced during the last unit outage because the original clips appeared burnt. The replacement clips appeared to be manufactured in a different manner than the original clips since they were slightly longer and did not have the elasticity that the original clips had.

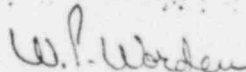
CORRECTIVE ACTION

Since both the original and the replacement clips appeared to experience the identical problem, it was decided to modify the fuse compartment. The modification will permanently install the fuse holders in the circuit and eliminate the fuse clips. At this time a work request has been written which requests a modification to all three station diesels.

EVALUATION

During the occurrence of this failure, the safety of the plant and public was not in jeopardy. The loss of the unit diesel occurred when thermal power was only about three megawatts. Also at the time of the failure, the 2/3 diesel was operable and all incoming lines were available.

Sincerely,



W. P. Worden
Superintendent

WPW:do



Telegram

TELEGRAMS (OTHER THAN MONEY ORDERS) 1971 MAR 24 PM 9:58

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ICS IPMVEIA MVN

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PMS MR JAMES G KEPPLER REGIONAL DIRECTOR

DIRECTORATE OF REGULATORY OPERATION REGION 3 WUX US ATOMIC ENERGY

COMMISSION 799 ROOSEVELT RD

GLEN ELLYN IL 60137

SUBJECT DPR-19 DRESDEN NUCLEAR POWER STATION UNIT

2. THIS WILL CONFIRM A CONFIRMATION WITH MR. F. MAURA OF
YOUR OFFICE AT 1420 HOURS THIS DATE CONCERNING A TRIP OF
THE UNIT 2 STAND BY DIESEL GENERATOR DURING AN
OPERABILITY TEST FOLLOWING MAINTENANCE. THE DIESEL

HAD OPERATED FOR APPROXIMATELY 40 MINUTES PRIOR TO THE TRIP,
WHICH WAS CAUSED BY DIFFERENTIAL FAULT. IT WAS DETERMINED THAT
A FAULTY CONNECTION ON A FUSE HOLDER CLIP FOR THE CURRENT

DIFFERENTIAL RELAY CAUSED AN ARCING FROM THE MOVABLE FUSE

50-237
incident



Telegram

CLIP TO STATIONARY CONNECTOR. ALL FUSES ASSOCIATED WITH THIS
RELAY (3) WERE SUBSEQUENTLY REPLACED WITH MORE POSITIVE
CONNECTING FUSE CLIP. THIS NOTIFICATION WILL FOLLOWED WITH A TEN
DAY REPORT

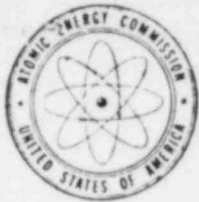
W P WORDEN SUPERINTENDENT
DRESDEN NUCLEAR POWER STATION
COMMONWEALTH EDISON COMPANY
R R 1 MORRIS ILLINOIS

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UNITED STATES
ATOMIC ENERGY COMMISSION
DIRECTORATE OF REGULATORY OPERATIONS
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

TELEPHONE
(312) 858-2660

A. RO Inspection Report No. _____

Transmittal Date : _____

Distribution:

RO Chief, FS&EB

RO:HQ (5)

DR Central Files

Regulatory Standards (3)

Licensing (13)

RO Files

Distribution:

RO Chief, FS&EB

RO:HQ (4)

L:D/D for Fuels & Materials

DR Central Files

RO Files

B. RO Inquiry Report No. _____

Transmittal Date : _____

Distribution:

RO Chief, FS&EB

RO:HQ (5)

DR Central Files

Regulatory Standards (3)

Licensing (13)

RO Files

Distribution:

RO Chief, FS&EB

RO:HQ

DR Central Files

RO Files

C. Incident Notification From: Commonwealth Edison Co. Docket No. 50-237
(Licensee & Docket No. (or License No.))

Transmittal Date : March 13, 1974

Distribution:

RO Chief, FS&EB

RO:HQ (4)

Licensing (4)

DR Central Files

RO Files

Distribution:

RO Chief, FS&EB

RO:HQ (4)

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