



Commonwealth Edison
Dresden Nuclear Power Station
R.R. #1
Morris, Illinois 60450
Telephone 815/942-2920

March 31, 1992

CWS LTR #92-174

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Licensee Event Report 92-06, Docket 050249 is being submitted in accordance with NUREG 1022. This report, which involves inspection of the Diesel Generator rotor mounting bolts in accordance with a 10CFR21 Notification, is provided voluntarily as an issue of concern to all sites utilizing Diesel Generator components of this type.

L. J. Schroeder 4/2/92

Charles W. Schroeder
Station Manager
Dresden Station

CWS/lma

Enclosure

CC: A. Bert Davis, Regional Administrator, Region III
NRC Resident Inspector's Office
File/NRC
File/Numerical

ZDVR/530

9204070183 920331
PDR ADOCK 05000249
S PDR

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LICENSEE EVENT REPORT (LER)

Form Rev 2.0

Facility Name (1) Dresden Nuclear Power Station, Unit 3	Docket Number (2) 0 5 10 10 10 12 14 19	Page (3) 1 of 0 3
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Title (4)
Diesel Generator Rotor Mounting Bolt Torque Discrepancy Due to Manufacturing Deficiency

Event Date (5)			LER Number (6)			Report Date (7)			Other Facilities Involved (8)	
Month	Day	Year	Year	Sequential Number	Revision Number	Month	Day	Year	Facility Names	Docket Number(s)
0 3	1 10	9 12	9 12	0 10 16	0 10	0 3	3 1	9 12	Dresden Unit 2	0 5 10 10 10 12 13 17

OPERATING MODE (9) N

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10CFR (Check one or more of the following) (11)

20.402(b)	20.405(a)(1)(i)	20.405(a)(1)(ii)	20.405(a)(1)(iii)	20.405(a)(1)(iv)	20.405(a)(1)(v)	20.405(c)	50.36(c)(1)	50.36(c)(2)	50.73(a)(2)(i)	50.73(a)(2)(ii)	50.73(a)(2)(iii)	50.73(a)(2)(iv)	50.73(a)(2)(v)	50.73(a)(2)(vi)	50.73(a)(2)(vii)	50.73(a)(2)(viii)(A)	50.73(a)(2)(viii)(B)	50.73(a)(2)(x)	73.71(b)	73.71(c)	<input checked="" type="checkbox"/> Other (Specify in Abstract below and in Text) Voluntary
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LICENSEE CONTACT FOR THIS LER (12)

Name Ismael Rivera, Jr.
Technical Staff System Engineer

Ext. 2549

TELEPHONE NUMBER
AREA CODE 8 1 5 9 4 12 - 12 19 12 10

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)

Expected Submission Date (15)

Yes (If yes, complete EXPECTED SUBMISSION DATE) NO

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On March 10, 1992 with Unit 3 in a refuel outage, the Unit 3 Diesel Generator (DG) was taken out of service to conduct an inspection of the rotor mounting bolts in accordance with an MKW Power Systems, Inc. 10CFR21 notification concerning generator rotor mounting bolt torque values for DGs manufactured prior to 1970. The Unit 3 DG inspection indicated that 14 of its 40 rotor bolts had less than the recommended torque value. All 40 of the Unit 3 DG rotor bolts were then replaced as a conservative measure, and the DG was returned to service on March 17, 1992 at 0610 hours. Similar inspections were subsequently performed on the Unit 2/3 DG, indicating 11 rotor bolts under the recommended torque values. Appropriate repairs were promptly completed in each case in order to insure continued reliability. The Unit 2 DG will also be inspected in a timely manner. DG operability was not affected because the unsatisfactory bolts were spread among different rotor poles and had sufficient breakaway torque to prevent rotor separation. This is the first event of this type at the Dresden site, and is reported voluntarily as an issue of interest to the NRC and other sites utilizing DG sets of this type.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

Form Rev 2.0

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			Page (3)		
		Year	Sequential Number	Revision Number			
Dresden Nuclear Power Station	0 5 0 0 0 2 4 9	9 2	- 0 0 6	- 0 0	0 3	0 F	0 3

TEXT Energy Industry Identification System (EIIS) codes are identified in the text as [XX].

D. SAFETY ANALYSIS OF EVENT:

This event was promptly reviewed by the Nuclear Engineering Department for potential reportability and operability concerns. It was concluded that operability of the DGs was not affected because the unsatisfactory bolts found via the inspections were spread over different rotors and had sufficient breakaway torque to prevent rotor separation.

The DGs have been in service for over twenty years. Throughout the course of these twenty years, the DGs have been subject to monthly operability runs, refuel outage automatic fast starts and sequential loading, and overspeed testing without generator rotor failures.

E. CORRECTIVE ACTIONS:

Corrective actions involved inspections and bolt replacement, as described above. The Unit 2 DG inspection is scheduled to be completed by May 1, 1992 (249-200-92-03601).

F. PREVIOUS OCCURENCES:

There are no previous occurences of this type.

G. COMPONENT FAILURE DATA:

This section is not applicable.