

Commonwealth Edison Company
Zion Generating Station
101 Stroh Boulevard
Zion, IL 60099-2797
Tel 847-746-2084

ComEd

ZRA97043
September 12, 1997

U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Document Control Desk

Subject: Zion Nuclear Power Station, Units 1 and 2
Invalid Failure of the 0 Emergency Diesel Generator
NRC Docket Nos. 50-295 and 50-304

Zion Station Special Report No. 295-201-97-SCAQ00751 (Attachment A) is being transmitted to you to report the invalid failure of the 0 Emergency Diesel Generator (EDG) that occurred on August 13, 1997. Zion Station Technical Specification Surveillance Section 4.15.1.B.5 requires submittal of a special report within thirty days whenever a valid or invalid failure of an EDG occurs.

Please direct any questions you may have concerning this submittal to this office.

Respectfully,

R. Starkey

R. Starkey
Plant General Manager
Zion Station

Attachments

cc: NRC Regional Administrator - RIII
Zion Station Project Manager - NRR
Senior Resident Inspector - Zion Station
Office of Nuclear Facility Safety - IDNS
IDNS Resident Inspector
Zion NLA
Engineering Manager
Master Files
Reg. Assurance File
DCD Licensing

IE 22/1

170043

9709170201 970912
PDR ADOCK 05000295
S PDR



Attachment A
ZRA97043

Zion Station Special Report no. 295-201-97-SCAQ00751

This special report is submitted in accordance with Zion Technical Specification Surveillance 4.15.1.B.5.

This Special Report describes one failure that occurred on August 13, 1997 and has been determined to be invalid per Regulatory Guide 1.108 section C.2.e.(2).

The 0 Emergency Diesel Generator (EDG) was in standby and was started for routine periodic operability testing at 21:39 hours on 13 August, 1997. The EDG tripped immediately on starting with indication of electronic governor speed sensing failure. Troubleshooting determined that the Magnetic Pick-up (MPU) Signal Selector for the Woodward 2301 Governor system failed causing bad signal indications from both MPUs to the governor module. This condition initiated a trip signal to shutdown the EDG. This trip signal would be bypassed during an emergency demand. The Woodward MPU signal selector is Woodward part number 8272-311 rev A.

There has been one valid failure of the 0 EDG in the last 100 valid demands. The current test frequency is 31 days. This test frequency is in accordance with Zion Technical Specification Table 4.15-2. The 0 EDG was Out Of Service due to this failure from August 13, 1997 at 21:49 hours until August 16, 1997 at 13:40 hours.

Corrective actions taken were to replace the MPU selector switch and adjust the MPU probe gaps. Upon completion, the EDG was successfully tested.

There is one other diesel at Zion Station with the same electronic governor system installed. There have been no other failures of this signal selector at Zion. The failed selector will be further analyzed in an attempt to pinpoint the cause of failure.

List of Commitments Identified in ZRA97043

The following table identifies those actions committed to by ComEd in this document. Any other actions discussed in this submittal represent intended or planned actions by ComEd. They are described to the NRC for the NRC's information and are not regulatory commitments. Please notify Mr. Robert Godley, Zion Station Regulatory Assurance Manager, of any questions regarding this document or any associated regulatory commitments.

Commitment	Committed Date or Outage
The failed selector switch will be analyzed to determine the cause of failure.	12/31/97