



September 19, 1977

L77-300

FILE: RR.2 (NP-33-77-56)

Docket No. 50-346
License No. NPP-3

RECEIVED
NOV 12 1981
NUCLEAR LICENSING

Mr. James G. Keppler
Regional Director, Region III
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Dear Mr. Keppler:

Reportable Occurrence NP-33-77-56
Davis-Besse Nuclear Power Station Unit 1
Date of Occurrence: August 16, 1977

Enclosed find three copies of Licensee Event Report NP-33-77-56 with a supplemental information sheet, which is being submitted in accordance with Technical Specification 6.9 to provide 30 day written notification of the subject occurrence.

Yours truly,

Jack Evans
Jack Evans
Station Superintendent
Davis-Besse Nuclear Power Station

bcc: L. E. Roe
J. S. Grant
J. H. Barker
E. C. Novak (2)
J. D. Lenardson
P. P. Anas
Dr. Ralph E. Lapp
Mr. Charles M. Rice
Edison Electric Institute
Company Nuclear Review
Board Members

JGE/JRL/ljk

Enclosures

cc: Dr. Ernst Volgenau, Director
Office of Inspection and Enforcement
Encl: 30 copies Licensee Event Report
30 copies Supplemental Information Sheet

Mr. William G. McDonald, Director
Office of Management
Information and Program Control
Encl: 3 copies Licensee Event Report
3 copies Supplemental Information Sheet

THE TOLEDO EDISON COMPANY EDISON PLAZA 300 MADISON AVENUE TOLEDO, OHIO 43052

8112160 3-04

00011201057

LICENSEE EVENT REPORT

CONTROL BLOCK | | | | |

LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
01 0 H D B S 1	0 1 0 - 0 0 N P F - 0 3	4 1 1 1 1	0 3
REPORT CATEGORY	REPORT TYPE	DOCKET NUMBER	REPORT DATE
01 CONT	L L	0 5 0 - 0 3 4 6	0 8 1 1 6 7 7
REPORT SOURCE	EVENT DATE	REPORT DATE	
		0 9 1 1 9 7 7	

EVENT DESCRIPTION

07 | Diesel Generator #1 was inoperable. It started manually, but automatic-
 08 | ally shutdown on overspeed. It then would not restart manually. The
 09 | PC field would not flash. The speed switch was defective. This is not
 10 | a repetitive occurrence. (NP-33-77-56).

SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
02 E E	E	C K T E R K	A	X 9 9 9	N

CAUSE DESCRIPTION

08 | The cause of the defective speed switch was component failure. Burned
 09 | resistors and shorted diodes were found in the switch. The switch was
 10 | replaced.

FACILITY STATUS	POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
01 B	0 0 0	NA	C	NA

FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
02 Z	Z	NA	NA

PERSONNEL EXPOSURES	DESCRIPTION
03 0 0 0	NA

PERSONNEL INJURIES	DESCRIPTION
04 0 0 0	NA

05 | OFFSITE CONSEQUENCES | NA |

LOSS OR DAMAGE TO FACILITY	DESCRIPTION
06 Z	NA

07 | PUBLICITY | NA |

08 | ADDITIONAL FACTORS | NA |

09 |

NAME Jacque Lingenfelter/ S. Jallade PHONE (419) 259-5000, Ext. 251

0001120100

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TOLEDO EDISON COMPANY
DAVIS-BESSE UNIT ONE NUCLEAR POWER STATION
SUPPLEMENTAL INFORMATION FOR LER NP-33-77-56

DATE OF EVENT: August 16, 1977

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Diesel Generator #1 was inoperable.

Conditions Prior to Occurrence: The plant was in Mode 2, with Power (MWT) = 0, and Load (MWE) = 0.

Description of Occurrence: At 1715 hours on August 16, 1977, the Davis-Besse Station received notice of a tornado which had touched down in the East Toledo area, and was heading in an easterly direction (toward the Station). In anticipation of the loss of switchyard capability (off-site power) in the event of a tornado, Station personnel tested the Emergency Diesel Generators at 1730 hours.

Diesel Generator #2 was started without incident. Diesel Generator #1, however, would not start manually; it automatically shutdown on overspeed. The DC field would not flash. The station entered Action Statement (a) of Technical Specification 3.8.1.1.

The tornado did not materialize in the area of the Station, and the tornado warning was cleared at 1820 hours on August 16, 1977.

Designation of Apparent Cause of Occurrence: The cause of the event is attributed to component failure in the speed switch for Diesel Generator #1. Burned resistors and shorted diodes were found in the switch (Model BESSE-4AT). It was replaced and returned to the manufacturer, Synchro-Start Products, Inc., a division of Knowles Electronics, Inc., for repair.

Analysis of Occurrence: There was no danger to the health and safety of the public or Station personnel. Off-site power was not lost, and Diesel Generator #2 was operable and able to handle Station loads if necessary.

Corrective Action: The defective speed switch was replaced, and Diesel Generator #1 returned to service on August 17, 1977 at 0740 hours. This removed the Station from Action Statement (a) of Technical Specification 3.8.1.1. The cause of switch failure will be determined in conjunction with the vendor.

Failure Data: There have been no previous similar occurrences.

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