NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: | | | | | | | (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | O H D B S 1 (2) | Ø Ø - Ø Ø N P F - Ø 3 (3) | 4 1 1 1 1 (4) | | (5)
LICENSEE CODE / LICENSE NUMBER / LICENSE TYPE / CAT

CON'T 01 REPORT SOURCE | L (6) | Ø 5 Ø - Ø 3 4 6 (7) | 1 2 Ø 9 7 9 (8) | Ø 1 Ø 5 8 Ø (9)
DOCKET NUMBER / EVENT DATE / REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 On December 9, 1979, during the performance of Diesel Generator (DG) Monthly Test,
03 DG 1-1 experienced load swings as the load was increased above 1000 KW and again when
04 the load was increased to 2500 KW. During maintenance investigation, an electrician
05 mistakenly racked out the wrong breaker which made DG 1-2 inoperable. For 20 minutes
06 the station was in violation of Technical Specification 3.8.1.2 (without a DG).
07 There was no danger to the health and safety of the public or station personnel. Off-
08 site power was available to safety systems in the plant. (NP-33-79-146)

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
09	E E (11)	A (12)	C (13)	C K T B R K (14)	A (15)	Z (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	7 9	—	1 2 6	/	Ø 3	L	—	1

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
X (18)	H (19)	Z (20)	Z (21)	Ø Ø Ø Ø	Y (23)	Y (24)	A (25)	W 1 2 Ø (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 On 12/9/79 under Maintenance Work Order 79-3730, the load swinging problem was inves-
11 tigated by station personnel, but no specific cause was determined. Diesel Generator
12 Monthly Test was rerun successfully later the same day. The vendor investigated on
13 1/7/80 and found the need for only slight adjustments to the gain and stability on
14 the electronic governor.

	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
15	G (28)	Ø Ø Ø (29)	NA	A (31)	operator observation

	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
16	Z (33)	Z (34)	NA	NA

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION (39)
17	Ø Ø Ø (37)	Z (38)	NA

PERSONNEL INJURIES

	NUMBER	DESCRIPTION (41)
18	Ø Ø Ø (40)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

	TYPE	DESCRIPTION
19	Z (42)	NA

PUBLICITY

	ISSUED	DESCRIPTION (45)	NRC USE ONLY
20	N (44)	NA	

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VR 79-187, 192 NAME OF PREPARER John P. Hartigan PHONE: 419-259-5000, Ext. 298

GPO 917-926

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-79-146

DATE OF EVENT: December 9, 1979

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Swinging load on Diesel Generator 1-1 and rackout of wrong Diesel Generator output breaker

Conditions Prior to Occurrence: The unit was in Mode 5, with Power (MWT) = 0, and Load (Gross MWE) = 0.

Description of Occurrence: While performing ST 5081.01, Diesel Generator (DG) Monthly Surveillance Test on DG 1-1 the load started swinging from 1000 KW to 3000 KW as load was raised above 1000 KW. The operator stopped raising the load to inspect the voltage regulator, and the load swinging ceased. The load was then raised to 2500 KW. A few minutes later, the load started swinging from 1800 KW to 3500 KW at which time DG 1-1 was shutdown. About an hour later DG 1-1 was restarted so maintenance could check out the electronic governor. The unit was running at 2500 KW for about 35 minutes and then started to swing from 800 KW to 3000 KW. The unit was unloaded and removed from service.

At this time, the Shift Foreman instructed a plant electrician to rack out AC101, DG 1-1 output breaker. The electrician mistakenly racked out AD101, DG 1-2 output breaker. Approximately 15 minutes later, it was noticed that AD101 was racked out instead of AC101. AD101 was promptly racked in and AC101 was racked out. For approximately 20 minutes, the station was in the action statement of Technical Specification 3.8.1.2 which requires one DG to be operable in Modes 5 or 6.

Designation of Apparent Cause of Occurrence: At the time of the occurrence, maintenance was not able to pinpoint the cause. On January 7, 1980, the vendor, Power Systems, came on site and found the need for a small adjustment to the gain and stability of the electronic governor which improved the engine response.

The occurrence of the electrician racking out the wrong breaker has been designated a personnel error.

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Corrective Action: On December 9, 1979, a small amount of oil was added to the governor, and ST 5081.01 was successfully run later the same day. Diesel Generator 1-1 was declared operable. Maintenance Work Order 79-3730 was issued to troubleshoot the load swinging problem. On January 7, 1980, the vendor, Power Systems, came on site and made a small adjustment to the gain and stability of the electronic governor which improved the engine response.

Personnel involved were instructed as to the proper communication to be established when performing equipment switching.

Failure Data: A similar problem was found on DG 1-1 as detailed on Licensee Event Report NP-33-78-58.