

LICENSEE EVENT REPORT (LER)

APPROVED OMB NO 3180-0104

EXPIRES 8/31/88

FACILITY NAME (1)

Turkey Point Unit 3

DOCKET NUMBER (2)

0 5 0 0 0 2 5 1 0 1 OF 012

PAGE (3)

TITLE (4)

Technical Specification - Emergency Diesel Generators

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)									
1	2	1	7	8	5	8	5	0	4	3	0	0	0	1	1	6	8	6	Turkey Point Unit 4	0 5 0 0 0 2 5 1 1
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																	
POWER LEVEL (10)			20.402(b)			20.405(c)			80.73(a)(2)(iv)			73.71(b)								
1			20.405(a)(1)(i)			80.38(c)(1)			80.73(a)(2)(v)			73.71(c)								
1			20.405(a)(1)(ii)			80.38(c)(2)			80.73(a)(2)(vi)			OTHER (Specify in Abstract below and in Text, NRC Form 365A)								
1			20.405(a)(1)(iii)			80.73(a)(2)(i)			80.73(a)(2)(vii)(A)											
1			20.405(a)(1)(iv)			80.73(a)(2)(ii)			80.73(a)(2)(viii)(B)											
1			20.405(a)(1)(v)			80.73(a)(2)(iii)			80.73(a)(2)(ix)											

NAME

LICENSEE CONTACT FOR THIS LER (12)

R.L. Teuteberg, Regulation and Compliance Engineer

TELEPHONE NUMBER

AREA CODE

3 0 5 2 4 5 2 9 1 0

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC

SUPPLEMENTAL REPORT EXPECTED (14)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR

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

Event: On December 17, 1985, while Units 3 and 4 were operating at 100% power, the requirements of Technical Specification 3.7.2.b were exceeded when the "A" emergency diesel generator (EDG) was declared out of service coincident with the "B" EDG being out of service for replacement of the EDG control cabinet selector switch under a plant change/modification (PC/M). Technical Specification 3.7.2.b requires the daily testing of one EDG when the other one is out of service. The "A" EDG was declared inoperable during a review of functional test data, which indicated that one of twenty diesel engine exhaust pyrometer readings was abnormally high in temperature. This placed the plant within the LCO shutdown requirements of Technical Specification 3.0.1. To restore on-site emergency power, the "B" EDG was tested and demonstrated operable promptly after "A" EDG was declared inoperable. The "A" EDG functional testing was repeated, but no abnormally high pyrometer readings were identified. The "A" EDG was declared back in service. No unit shut-downs were initiated due to the short period that the two EDG's were declared out of service together.

Cause of Event:

The apparent cause of the abnormally high temperature reading recorded on one of the diesel engine exhaust pyrometers was human error in recording an erroneous temperature.

Corrective Actions: The following corrective actions were taken:

- 1) Upon declaring the "A" EDG out of service, the post-maintenance operability of the "B" EDG was promptly demonstrated using Operating Procedure (OP) 4304.1, "Emergency Diesel Generator-Periodic Test Load on 4 KV Bus".
- (2) Subsequent operability testing performed on the "A" EDG indicated an erroneous reading on one engine exhaust manifold pyrometer and demonstrated the operability of this EDG.

The health and safety of the public were not affected. Similar occurrences: LER's 251-85-002, 251-85-009, 251-85-015, and 251-85-016.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/88

FACILITY NAME (1) Turkey Point Unit 3	DOCKET NUMBER (2) 0 5 0 0 0 2 5 0	LER NUMBER (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 5	0 4 3	0 0	0 2	OF	0 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

Event:

At 19:20 on December 17, 1985, while Units 3 and 4 were operating at 100% power, the requirements of Technical Specification 3.7.2.b were exceeded when the "A" emergency diesel generator (EDG) was declared out of service coincident with the "B" EDG being out of service at the conclusion of a plant modification. The "A" EDG was declared inoperable during a review of test data following operability testing. The review of the test data identified one of twenty diesel engine exhaust pyrometer readings as abnormally high in temperature. Daily operability testing is required of one EDG by Technical Specification 3.7.2.b while the other EDG is out of service. Prior to this incident, the "B" EDG had been taken out of service for replacement of the emergency diesel generator control cabinet selector switch under the Plant Change/Modification (PC/M) 84-64. The EDG local control cabinet selector switch was replaced and post-maintenance testing had been satisfactorily completed when air leaks were identified in the "B" EDG air starting system. These air leaks had been corrected and the "B" EDG was awaiting additional post-maintenance testing when the incident occurred. Upon declaring the "A" EDG out of service, the plant entered the shutdown requirements of Technical Specification 3.0.1. In an effort to restore on-site emergency power capability, operability testing of the "B" EDG was initiated at 19:30, and the "B" EDG was demonstrated operable at 21:30. Immediately following the restoration of the "B" EDG to an operable status, functional testing of the "A" EDG was repeated to determine the cause of the abnormally high engine exhaust temperature reading and confirm its operability status. The abnormally high engine exhaust manifold temperature reading identified earlier on one of twenty pyrometers could not be repeated and the "A" EDG was demonstrated operable at midnight on December 17, 1985. No unit shutdowns were initiated due to the short time period that the "B" EDG was out of service following the declaration of "A" EDG out of service.

Cause of Event:

The apparent cause of the abnormally high temperature reading recorded on one of the diesel engine exhaust pyrometers was human error in recording an erroneous temperature.

Analysis of Event:

During the course of the event, both Unit 3 and Unit 4 start-up transformers were operable, supplying normal off-site power to safety-related 4160 volt busses. At the time of the event, the "B" EDG was capable of performing its intended safety-related function, although it had not been demonstrated operable after correction of the air leaks in the air start system. Similarly, the "A" EDG remained capable of performing its intended safety-related function, although it was declared out of service due to an apparently abnormally high engine exhaust temperature reading. Based on the above, the health and safety of the public were not affected.

Corrective Actions:

The following corrective actions were taken:

- 1) Upon declaring the "A" EDG out of service, the post-maintenance operability of the "B" EDG was promptly demonstrated using Operating Procedure (OP) 4304.1, "Emergency Diesel Generator-Periodic Test Load on 4 KV Bus."
- 2) Subsequent operability testing performed on the "A" EDG indicated an erroneous reading on one engine exhaust manifold pyrometer and demonstrated the operability of this EDG.

Supplemental Information:

No equipment failures were associated with this event. Similar occurrences: LER's 251-85-002, 251-85-009, 251-85-015 and 251-85-016.



JAN 16 1986

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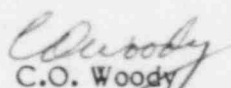
U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Gentlemen:

Re: Reportable Event 85-43
Turkey Point Unit 3
Date of Event: December 17, 1985
Technical Specification - Emergency Diesel Generators

The attached Licensee Event Report is being submitted pursuant to the requirements of 10 CFR to provide notification of the subject event.

Very truly yours,


C.O. Woody
Group Vice President
Nuclear Energy

COW/PLP/mg

Attachment

cc: Dr. J. Nelson Grace, Region II, USNRC
Harold F. Reis, Esquire

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