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FACIL:50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250
AUTH.NAME AUTHOR AFFILIATION
MOWREY,C. Florida Power & Light Co.
CONWAY,W.F. Florida Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 89-006-00: on 890312, Train B intake cooling water pump taken out of svc while Train A emergency diesel inoperable.

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TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

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LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Turkey Point Unit 3										DOCKET NUMBER (2) 0 5 0 0 0 2 1 5 1 0										PAGE (3) 1 OF 013																		
TITLE (4) Train B Intake Cooling Water Pump Taken Out of Service While Train A Emergency Diesel Inoperable																																						
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 2			8 9			8 9			0 0 6			0 0 0 4			1 0 8 9									0 5 0 0 0 0											
OPERATING MODE (9) 1						THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)																																
POWER LEVEL (10) 1 0 0						20.402(b)						20.405(c)						50.73(a)(2)(iv)						73.71(b)														
						20.406(a)(1)(i)						50.38(c)(1)						50.73(a)(2)(v)						73.71(c)														
						20.406(a)(1)(ii)						50.38(c)(2)						50.73(a)(2)(vi)						OTHER (Specify in Abstract below and in Text, NRC Form 366A)														
						20.406(a)(1)(iii)						50.73(a)(2)(i)						50.73(a)(2)(vii)(A)																				
						20.406(a)(1)(iv)						50.73(a)(2)(ii)						50.73(a)(2)(viii)(B)																				
20.406(a)(1)(v)						50.73(a)(2)(iii)						50.73(a)(2)(ix)																										
LICENSEE CONTACT FOR THIS LER (12)																																						
NAME Craig Mowrey, Regulation and Compliance																TELEPHONE NUMBER AREA CODE 3 0 5						Ext. 2220 2 4 6 - 1 3 0 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)																EXPECTED SUBMISSION DATE (15)		MONTH		DAY		YEAR																
YES (If yes complete EXPECTED SUBMISSION DATE)																X NO																						

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

On March 12, 1989, at 1655, with Unit 3 at 100% power and Unit 4 in Mode 5 (cold shutdown), the "A" Emergency Diesel Generator (EDG) was out of service for preventive maintenance and construction activity. At that time, the 3C Intake Cooling Water pump (ICW) was taken out of service (OOS). Per Technical Specification (TS) 3.0.5; if an EDG is inoperable, its associated loads need not be considered inoperable "if all of its redundant components are operable with their normal or emergency power supplies operable." Since the 3C ICW pump (supplied from "B" EDG) was taken OOS, the 3A ICW pump (supplied from "A" EDG) must also be considered inoperable. Thus the Limiting Condition for Operation for ICW pumps was not met, which necessitated entry into TS 3.0.1. TS 3.0.1 requires commencement of a unit shutdown within one hour. This was not done. The cause of the event was personnel error in failing to recognize the significance of taking 3C ICW pump OOS with "A" EDG OOS. The 3C ICW pump and the "A" EDG were returned to service. The personnel involved were counseled on the significance of, and basis for, TS 3.0.5. A Compliance Evaluation letter will be issued as a training brief to clarify this and similar situations.

8904190160 890410
PDR ADCK 05000250
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Turkey Point Unit 3	0 5 0 0 0 2 5 0	8 9	0 0 6	0 0	0 2	OF	0 3

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

DESCRIPTION OF EVENT

On March 12, 1989, at 1655, with Unit 3 at 100% power, and Unit 4 in Mode 5 (cold shutdown), the "A" Emergency Diesel Generator (EDG) (EIIIS:EK, Component:DG) was out of service for preventive maintenance and construction activity. At that time, the 3C Intake Cooling Water pump (ICW) (EIIIS: BI, Component:P) was taken out of service (OOS) to allow divers into the intake well.

At Turkey Point Unit 3, the ICW system is composed of three 100% capacity pumps and two 100% capacity headers. If emergency power is required, the 3A ICW pump is powered by the "A" EDG, and the 3B and 3C ICW pumps are powered by the "B" EDG. Per Technical Specification (TS) 3.0.5, if an EDG is inoperable, its associated loads need not be considered inoperable "if all of its redundant components are operable with their normal or emergency power supplies operable." Contrary to this, with the 3A ICW pump's emergency power supply inoperable, one of its redundant components was made inoperable (3C ICW pump). Therefore the 3A ICW pump also should have been considered inoperable. TS 3.4.5.b allows one ICW pump to be inoperable for 24 hours. Since two pumps were inoperable, the Limiting Condition for Operation was not met, requiring entry into TS 3.0.1. TS 3.0.1 requires commencement of a unit shutdown within one hour, and subsequent mode changes as necessary to place the unit in a mode in which the specification does not apply.

The shutdown was not commenced, and the unit was maintained at approximately 100% power until the 3C ICW pump was returned to service at 0237 on March 13, 1989.

CAUSE OF EVENT

The cause of this event was personnel error; failure to recognize the effect of taking a train B component (3C ICW pump) out of service, on the train A component which had no operable emergency power source (3A ICW pump, "A" EDG).

ANALYSIS OF EVENT

The unit remained stable at approximately 100% power, and the 3A and 3B ICW pumps were running throughout the event. Emergency power was available to the 3B ICW pump via the "B" EDG, but was not required. Each of the three ICW pumps is designed as a 100% capacity pump. Based on the above, the health and safety of the public were not affected.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/88

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

CORRECTIVE ACTIONS

- 1) The 3C ICW pump was restored to service at 0237 on March 13, 1989.
- 2) The "A" EDG was restored to service at 1730 on March 15, 1989.
- 3) The Plant Supervisor - Nuclear responsible for the wrong decision was counseled, and understands the error.
- 4) Compliance Evaluation letter 89-01 will be issued as a training brief to clarify this and similar situations for the operations personnel. This action will be complete by April 14, 1989.

ADDITIONAL INFORMATION

Similar occurrences; the following listed LERs relate events involving similar circumstances, however the causes of the events were different:

250-88-07
250-89-01
251-87-04
251-87-28



APRIL 10 1989

L-89-122
10 CFR 50.73

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

Gentlemen:

Re: Turkey Point Unit 3
Docket Nos. 50-250
Reportable Event: 89-06
Date of Event: March 12, 1989
Train B Intake Cooling Water Pump Taken
Out of Service While Train A Emergency Diesel Inoperable

The attached Licensee Event Report Supplement is being submitted pursuant to the requirements of 10 CFR 50.73 to provide notification of the subject event.

Very truly yours,


W. F. Conway
Senior Vice President - Nuclear

WFC/RHF/gp

Attachment

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, Turkey Point Plant

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