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 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 90-004-00: on 900526, manual reactor trip during performance of operational surveillance procedure.

W/9 ltr.

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P.O. Box 14000, Juno Beach, FL 33408-0420

JUN 11 1990

L-90-205
10 CFR 50.73

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

Gentlemen:

Re: Turkey Point Unit 4
Docket No. 50-251
Reportable Event: 90-04
Date of Event: May 26, 1990
Manual Reactor Trip During Performance of an Operational
Surveillance Procedure Due to Personnel Error

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

Very truly yours,

K. N. Harris
Vice President
Turkey Point Plant Nuclear

KNH/DPS/dps

attachment

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

9006190055 900611
PDR ADOCK 05000251
S PDC

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LICENSEE EVENT REPORT (LER)

FACILITY NAME (11) Turkey Point Unit 4 DOCKET NUMBER (12) 0 5 0 0 0 2 5 1 1 0 F 0 3

TITLE (4) Manual Reactor Trip During Performance Of An Operational Surveillance Procedure Due To Personnel Error

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)	
05	21	69	09	00	4	0	0	06	Turkey Point Unit 3	0 5 0 0 0 2 5 0	

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 50.73. Check one or more of the following: (11)

OPERATING MODE (9) 2	20.402(b)	20.408(a)	<input checked="" type="checkbox"/> 50.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 001	20.408(a)(1)(i)	50.36(a)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	73.71(c)
	20.408(a)(1)(ii)	50.36(a)(2)	<input type="checkbox"/> 50.73(a)(2)(vi)	OTHER (Specify in Abstract Draw and in Test NRC Form 366A)
	20.408(a)(1)(iii)	50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(vii)(A)	
	20.408(a)(1)(iv)	50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)	
	20.408(a)(1)(v)	50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME D. R. Powell, Superintendent of Licensing AREA CODE 3 0 5 TELEPHONE NUMBER 2 4 6 - 6 5 5 9

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

CAUSE (SYSTEM)	COMPONENT	MANUFAC TURE	REPORTABLE TO NRC	CAUSE (SYSTEM)	COMPONENT	MANUFAC TURE	REPORTABLE TO NRC

SUPPLEMENTAL REPORT EXPECTED (14)

YES (1) (or complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)

ABSTRACT (16) (Limit to 1400 spaces) (17) (Approximately fifteen single-space typewritten lines) (18)

On May 26, 1990, at 0556 EDT, during start-up of both units, with Unit 3 in Mode 3 (Hot Standby) and Unit 4 in Mode 2 (Start-up) at approximately one (1) percent power, a licensing trainee under the direction of the Unit 4 reactor operator manually tripped the Unit 4 reactor. This occurred during the restoration phase of the turbine valve test on Unit 4. The Unit 4 reactor was manually tripped in an erroneous response to step 7.2.59 of procedure 4-OSP-089 "Main Turbine Valves Operability Test." Subsequent to the trip, the operators verified the unit to be in a stable condition by using applicable emergency operating procedures.

This event was caused by cognitive personnel error on the part of plant licensed operators. To preclude recurrence of this event, Procedures 3-OSP-089 AND 4-OSP-089 have been revised to clarify the intent of step 7.2.59. In addition, this event is being reviewed with applicable operations personnel.

On May 26, 1990, at 0634 EDT, the NRC was notified of this event in accordance with 10 CFR 50.72(b)(2)(ii)

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0184
 (REV. 1-77)

Turkey Point Unit 4

LER NUMBER 6										PAGE 3														
YEAR	SEQUENCE NUMBER	REVISION NUMBER																						
90	004	000	0	5	0	0	0	2	5	1	9	0	-	0	0	4	-	0	0	0	2	OF	0	3

(If more space is required, use additional NRC Form 2554's (17))

I. EVENT DESCRIPTION

On May 26, 1990, at 0556 EDT, during start-up of both units, with Unit 3 in Mode 3 (Hot Standby) and with Unit 4 in Mode 2 (Start-up) at approximately one (1) percent power, a licensing trainee under the direction of the Unit 4 reactor operator manually tripped the Unit 4 reactor (EIIS:AC). The operators had just completed reactor protection testing which had included opening and closing the reactor trip breakers (EIIS:AA) (BKR) on Unit 3. During the restoration phase of the turbine valve test on Unit 4, the Unit 4 reactor was manually tripped in response to step 7.2.59 of procedure 4-OSP-089 "Main Turbine Valves Operability Test." The operators verified the unit to be in a stable condition by using applicable emergency operating procedures.

On May 26, 1990, at 0634 EDT, the NRC was notified of this event in accordance with 10 CFR 50.72(b)(2)(ii).

II. EVENT CAUSE

This event was caused by cognitive personnel error on the part of plant licensed operators in that step 7.2.59 of procedure 3/4-OSP-089 offered two options to the operator. The first option was to trip the reactor and the second was to continue on with the plant start-up in accordance with the general operating procedures (GOP). The RCO erroneously chose the first option which was to trip the reactor. Unit 4 was in Mode 2 at one percent power. The RCO should have selected the second option which would have returned him to the GOP procedure to continue start-up of the unit.

III. EVENT SAFETY ANALYSIS

All safety related equipment operated per design. The unit was stabilized in Mode 3 in accordance with approved plant procedures. A reactor trip is a previously analyzed event. Thus the health and safety of the public were not affected by this event.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME Turkey Point Unit 4	DOCKET NUMBER (2) 0 5 0 0 0 2 5 1	LER NUMBER (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		9 0	0 0 4	0 0	0 3	OF	0 3

TEXT (if more space is required, use additional NRC Form 388A's) (17)

IV. CORRECTIVE ACTIONS

1. Procedures 3-OSP-089 AND 4-OSP-089 have been revised to clarify step 7.2.59 and thus preclude recurrence of this event.
2. This event is being reviewed with applicable operations personnel.
3. In addition to the normal post trip review of the event, an Event Response Team (ERT) was initiated to determine the root cause and recommend applicable corrective actions to prevent recurrence. Based on the ERT findings, the ERT recommended Formal Operator training on self-checking. This training is scheduled to be completed by August 1, 1990.

V. ADDITIONAL INFORMATION

- A. Similar Events
None
- B. Equipment Failures
None.