

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9007270132 DOC.DATE: 90/07/24 NOTARIZED: NO DOCKET #  
 FACIL:50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251  
 AUTH.NAME AUTHOR AFFILIATION  
 POWELL,D.R. Florida Power & Light Co.  
 HARRIS,K.N. Florida Power & Light Co.  
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 90-006-00:on 900705,automatic start of 4A CCW pump due  
 to low CCW pump discharge header pressure.

W/9 ltr.

DISTRIBUTION CODE: IE22T COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 4  
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	NRR/DET/ECMB 9H	1 1	NRR/DET/EMEB9H3	1 1
	NRR/DLPQ/LHFB11	1 1	NRR/DLPQ/LPEB10	1 1
	NRR/DOEA/OEAB11	1 1	NRR/DREP/PRPB11	2 2
	NRR/DST/SELB 8D	1 1	NRR/DST/SICB 7E	1 1
	NRR/DST/SPLB8D1	1 1	NRR/DST/SRXB 8E	1 1
	<u>REG FILE</u> 02	1 1	RES/DSIR/EIB	1 1
	RGN2 FILE 01	1 1		
EXTERNAL:	EG&G BRYCE,J.H	3 3	L ST LOBBY WARD	1 1
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JUL 24 1990

L-90-280  
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: 90-006  
Date of Event: July 5, 1990  
Automatic Start of the 4A Component Cooling  
Water (CCW) Pump Due to Low CCW Pump Discharge  
Header Pressure

The attached Licensee Event Report is being provided pursuant to the requirements of 10CFR50.73 as notification of the subject event.

Very truly yours,

  
K. N. Harris  
Vice President  
Turkey Point Nuclear Plant

KNH/DRP/dwh

Attachment

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

9007270132 900724  
PDR ADOCK 03000251  
S PDC

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Turkey Point Unit 4										DOCKET NUMBER (2) 0 5 0 0 0 2 5 1 1										PAGE (3) 1 OF 0 3																																		
TITLE (4) Automatic Start Of The 4A Component Cooling Water (CCW) Pump Due To Low CCW Pump Discharge Header Pressure																																																						
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 N/A												DOCKET NUMBER(S) 0 5 0 0 0															
0 7			0 5			9 0			9 0			0 0 6			0 0			0 7			2 4			9 0			0 5 0 0 0												0 5 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 10 1 0									20.402(b)									20.405(e)									<input checked="" type="checkbox"/> 50.73(a)(2)(iv)									73.71(b)																		
									20.405(a)(1)(i)									50.38(e)(1)									50.73(a)(2)(v)									73.71(c)																		
									20.405(a)(1)(ii)									50.38(e)(2)									50.73(a)(2)(vi)									OTHER (Specify in Abstract below and in Text, NRC Form 365A)																		
									20.405(a)(1)(iii)									50.73(a)(2)(i)									50.73(a)(2)(vii)(A)																											
									20.405(a)(1)(iv)									50.73(a)(2)(ii)									50.73(a)(2)(vii)(B)																											
20.405(a)(1)(v)									50.73(a)(2)(iii)									50.73(a)(2)(ix)																																				
LICENSEE CONTACT FOR THIS LER (12)																																																						
NAME David R. Powell, Licensing Superintendent															TELEPHONE NUMBER 3 0 5 2 4 6 - 6 5 5 9																																							
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)																				<input checked="" type="checkbox"/> NO																																		

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

At 0404, on July 5, 1990, with Unit 4 in Mode 1 (Power Operation) at 100 percent power, the 4B Component Cooling Water (CCW) pump (EIIS:CC, Component:P) automatically started upon sensing a CCW pump discharge header pressure below 60 psig. The cause for this condition is a cognitive error by a licensed utility person. At the time of this event, Operating Surveillance Procedure 4-OSP-055.1, "Emergency Containment Cooler (ECC) Operability Test," was being performed to demonstrate the operability of the ECCs. Procedure 4-OSP-055.1 requires two CCW pumps to be operating while testing an ECC. The 4A and 4B CCW pumps were operating to support performance of procedure 4-OSP-055.1. During completion of the surveillance testing, a Reactor Control Operator (RCO) stopped the 4B CCW pump before verifying valve MOV-4-749A was fully closed, as required by procedure. The CCW System responded as designed. The responsible individual was required to review Administrative Procedure 0-ADM-201, "Upgrade Operations Procedure Usage."

## 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 4	0 5 0 0 0 2 5 1	9 0	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 THE EVENT

At 0404, on July 5, 1990, with Unit 4 in Mode 1 at 100 percent power, the 4B Component Cooling Water (CCW) pump (EIIIS:CC, Component:P) automatically started upon sensing a CCW pump discharge header pressure below the 60 psig setpoint. The 4A CCW pump continued to operate during this event.

At the time of this event, Operating Surveillance Procedure 4-OSP-055.1, "Emergency Containment Cooler (ECC) Operability Test," was being performed to demonstrate the operability of the ECCs. Procedure 4-OSP-055.1 requires two CCW pumps to be operating while testing an ECC. The 4A and 4B CCW pumps were operating to support performance of procedure 4-OSP-055.1. During completion of the surveillance testing, the 4B CCW pump was stopped. A low CCW pump discharge header pressure below the 60 psig setpoint caused the 4B CCW pump to automatically restart.

At 0526, on July 5, 1990, FPL notified the NRC Operations Center of a significant event in accordance with 10CFR50.72(b)(2)(ii) as an automatic actuation of an Engineering Safety Feature (ESF).

CAUSE OF THE EVENT

The cause for the low CCW pump discharge header pressure condition and resulting automatic start of the 4B CCW pump is a cognitive error by a licensed utility person. Procedure 4-OSP-055.1 requires Residual Heat Removal (RHR) heat exchanger CCW outlet valve MOV-4-749A/B to be closed prior to stopping the second CCW pump upon completion of the ECC operability test. A Reactor Control Operator (RCO) failed to verify that valve MOV-4-749A was fully closed before stopping the 4B CCW pump.

ANALYSIS OF THE EVENT

The Unit 4 CCW pumps remained operable and the 4A CCW pump continued to operate during this event. The reduced CCW pump discharge header pressure condition was not of sufficient duration to adversely affect performance of the CCW System. Upon automatic starting of the 4B CCW pump, the CCW pump discharge header pressure was restored to above the low pressure setpoint of 60 psig.

CORRECTIVE ACTIONS

1. The 4B CCW pump was stopped after valve MOV-4-749A fully closed.

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO 3150-0104  
EXPIRES 8-31-85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		90	006	00	03	OF	03

Turkey Point Unit 4

0500025190-006-0003 OF 03

TEXT !!! more space is required. use additional NRC Form 368A's! (17)

2. The responsible individual was required to review Administrative Procedure 0-ADM-201, "Upgrade Operations Procedure Usage."
3. This event will be presented to operations personnel in the weekly shift meetings with management personnel. Briefings are scheduled to be completed by August 10, 1990.

ADDITIONAL INFORMATION

Similar occurrences have been reported in LER 50-250/90-007 and LER 50-251/87-026. However, these automatic starts of a CCW pump did not share the same root cause as identified in this LER.