

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Turkey Point Unit 4										DOCKET NUMBER (2) 0 5 0 0 0 2 5 1				PAGE (3) 1 OF 2						
TITLE (4) Engineered Safety Features Actuation - Component Cooling Water Auto Start																				
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	1	0	2	8	5	8	5	0	2	4	0	0	1	2	0	2	8	5	N/A	0 5 0 0 0 0
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																		
1		20.402(b)				20.405(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)				73.71(b)						
POWER LEVEL (10)		1 0 0				20.405(a)(1)(i)				50.36(c)(1)				73.71(c)						
		20.405(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vii)				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)(viii)(A)										
		20.405(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)										
		20.405(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)										
LICENSEE CONTACT FOR THIS LER (12)																				
NAME 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 NPDs		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs										
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR						
<input type="checkbox"/> 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)																				
Event: On November 2, 1985, while Unit 4 was at 100% power, an automatic initiation of the 4A standby component cooling water (CCW) pump occurred. The other two CCW pumps 4B and 4C continued operating normally during and subsequent to this auto-start of the 4A pump. At the time of this event, technicians were replacing the pressure switch for pressure comparator PC-611, which is a portion of the automatic starting circuitry for this pump. A low pressure signal was generated when the fuses were removed from a control power relay for the 4A CCW pump to test the auto-start circuitry after replacement of the pressure switch. While the automatic initiation of the 4A CCW pump was anticipated after the fuse removal and during the testing, this event is considered to be a reportable occurrence due to the lack of documentation identifying this auto-start as a "pre-planned sequence".																				
Cause of Event: The automatic start of the 4A CCW pump was the result of maintenance and post-maintenance testing performed on the auto-start circuitry, PC-611.																				
Corrective Actions: The following corrective measures were taken or are planned: 1) Upon auto-start, the 4A CCW pump was left running until the auto-start circuitry was returned to service. 2) The periodic testing procedure for the CCW system will be revised to include a testing sequence for the auto-start feature of the CCW pumps. The health and safety of the public were not affected. Similar occurrences: None.																				

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1) Turkey Point Unit 4	DOCKET NUMBER (2) 0 5 0 0 0 2 5 1	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 5	— 0 2 4	— 0 0 0	2	OF	0 2

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

Event:

On November 2, 1985, at 14:25, while Unit 4 was at 100% power, an automatic initiation of the 4A component cooling water (CCW) pump occurred. The other two CCW pumps 4B and 4C continued operating normally during and subsequent to this automatic start of the 4A pump. At the time of this event, technicians were replacing the pressure switch for pressure comparator PC-611, which is a portion of the automatic starting circuitry for this pump. A low pressure signal was generated when the fuses were removed from a control power relay for the 4A CCW pump to test the circuitry after replacement of the pressure switch. The third CCW pump acts as a standby pump and is designed to automatically initiate when the CCW system pressure drops below 78.5 psig. The automatic initiating feature of the 4A CCW pump was satisfactorily tested by observing the 4A CCW pump start automatically with the new pressure switch isolated and the pressure on the switch bled down below 78.5 psig. Upon completion of this testing, the 4A CCW pump was stopped, the pressure switch was unisolated, and the auto-start circuitry placed back into service. While the automatic initiation of the 4A CCW pump was anticipated after the fuse removal and during the testing, this event is considered to be a reportable occurrence due to the lack of documentation identifying this auto-start as a "pre-planned sequence".

Cause of Event:

The automatic start of the 4A CCW pump was the result of maintenance and post-maintenance testing performed on the auto-start circuitry, PC-611.

Analysis of Event:

After the replacement of the pressure switch for PC-611, testing demonstrated that the auto-start circuitry and CCW pump operated as they were designed. Upon automatic initiation of the 4A pump, the pump was allowed to continue running until the auto-start circuitry was returned to service. Therefore, the health and safety of the public were not affected by the event.

Corrective Actions:

The following corrective measures were taken or are planned:

- 1) Upon auto-start, the 4A CCW pump was left running during the replacement and testing of the pressure switch and stopped upon return of the auto-start circuitry to service.
- 2) The periodic testing procedure for the CCW system will be revised to include a testing sequence for the auto-start feature of the CCW pumps.

Additional Information:

The pressure switch which was replaced is a Model J7 358 manufactured by United Electric. Similar occurrences: None.



DEC 2 1985

L-85-449

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

Gentlemen:

Re: Reportable Event 85-24
Turkey Point Unit 4
Date of Event: November 2, 1985
Engineered Safety Features Actuation
Component Cooling Water Auto Start

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,

A handwritten signature in dark ink, appearing to read "J. W. Williams, Jr.", is written over a faint, larger version of the same signature.

J. W. Williams, Jr.
Group Vice President
Nuclear Energy

JWW/PLP:dh

Attachment

cc: Dr. J. Nelson Grace, Region II, USNRC
Harold F. Reis, Esquire
PNS-LI-85-475/2

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