

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
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TITLE (4)
Engineered Safety Feature Actuation - Auxiliary Feedwater Initiation

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		
06	24	84	84	016	000	09	04	84	N/A		
									DOCKET NUMBER(S)		
									0 5 0 0 0		

OPERATING MODE (9) N	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)				
POWER LEVEL (10) 0.74	20.402(b)	20.406(c)	<input checked="" type="checkbox"/>	50.73(a)(2)(iv)	73.71(b)
	20.406(a)(1)(i)	50.38(c)(1)	<input type="checkbox"/>	50.73(a)(2)(v)	73.71(c)
	20.406(a)(1)(ii)	50.38(c)(2)	<input type="checkbox"/>	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
	20.406(a)(1)(iii)	50.73(a)(2)(i)	<input type="checkbox"/>	50.73(a)(2)(viii)(A)	
	20.406(a)(1)(iv)	50.73(a)(2)(iii)	<input type="checkbox"/>	50.73(a)(2)(viii)(B)	
	20.406(a)(1)(v)	50.73(a)(2)(iii)	<input type="checkbox"/>	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME Randall D. Hart, Licensing 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	MANUFAC-TURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPRDS
B	S	D L G V	B 2 9 0	N					

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)

On June 24, 1984, manual initiation of the auxiliary feedwater (AFW) system occurred. The AFW system was manually started in anticipation of a feedwater pump trip due to low suction pressure. The unit was decreasing power because of oil control problems causing control valve oscillations on the turbine-generator. The level in the hotwell began decreasing and as the level got close to 10%, the AFW system was manually started to help maintain hotwell level by reducing the required main feedwater flow. The hotwell reject regulator, LCV-1500, was found to have failed open and was isolated. Isolation of the reject regulator caused the hotwell level to begin increasing and the AFW pumps were secured. Immediate corrective actions included stabilizing the unit in a hot shutdown condition to resolve the turbine control problems and having maintenance personnel repair the hotwell reject regulator. Also, a letter was sent to all Operations personnel clarifying the requirements for significant event notifications outlined in Administrative Procedure 0103.12, Notification of Significant Events to NRC. The health and safety of the public were not affected. Similar occurrences: None.

Subsequent review of the sequence of events and discussions with the USNRC Senior Resident Inspector determined that the event was reportable and a significant event notification was made to the NRCOC via ENS pursuant to 10 CFR 50.72(b)(2)(ii) on August 2, 1984.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 4	0 1 6	0 0	0 2	OF 0 2

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

On June 24, 1984 at 8:18 a.m., the auxiliary feedwater (AFW) system was manually actuated. The AFW system was manually started in anticipation of a feedwater pump trip due to low suction pressure.

Unit 4 was operating at 74% power when the operators noticed a rapid decrease in turbine power and began unloading the turbine and decreasing reactor power. At this time, it was discovered that the NW intercept valve was indicating closed and the NE reheat valve had no indication (local verification indicated the valve was closed). As level in the hotwell began decreasing, the Nuclear Turbine Operator (NTO) opened the bypass around the makeup regulator all the way. When the hotwell level got close to 10%, the operators realized that if the level in the hotwell got too low, the condensate pump would cavitate causing a feedwater pump to trip. A feedwater pump trip would cause an automatic initiation of the AFW system. The operators started three AFW pumps to help maintain level in the hotwell by reducing the required main feedwater flow. The NTO found the hotwell reject regulator, LCV-1500, failed open and isolated it. Isolation of the reject regulator caused the hotwell level to begin increasing. With the level increasing, the AFW pumps were secured. The turbine was manually tripped at 14 MWe, per shutdown procedure, and the unit was stabilized in a hot shutdown condition. Maintenance personnel were called to find the reason for the reject regulator failing open. They found that LCV-1500 was setup incorrectly and proceeded to set it up correctly.

Following satisfactory resolution of the problems discussed above and having identified no other problems, the unit was returned to service at 10:53 p.m., on June 24, 1984.



September 4, 1984
PNS-LI-84-311

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

Gentlemen:

Re: Reportable Event 84-16
Turkey Point Unit 4
Date of Event: June 24, 1984
Engineered Safety Feature Actuation-
Auxiliary Feedwater Initiation

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 cursive script, appearing to read "J. W. Williams, Jr.", followed by a large, stylized flourish.

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

JWW/PLP/js

Attachment

cc: J. P. O'Reilly, Region II, USNRC
Harold F. Reis, Esquire
File 933.1 TP

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