

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Turkey Point Unit 3 DOCKET NUMBER (2) 0500002901 PAGE (3) 1 OF 02

TITLE (4)  
Technical Specification - Auxiliary Feedwater System

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)
									N/A		050000
<u>04</u>	<u>08</u>	<u>86</u>	<u>86</u>	<u>015</u>	<u>00</u>	<u>05</u>	<u>08</u>	<u>86</u>	N/A		050000

OPERATING MODE (9) 2

POWER LEVEL (10) 0102

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)

<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
<input type="checkbox"/> 20.405(a)(1)(i)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)
<input type="checkbox"/> 20.405(a)(1)(ii)	<input type="checkbox"/> 50.73(a)(2)(vi)	<input type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 366A)
<input type="checkbox"/> 20.405(a)(1)(iii)	<input checked="" type="checkbox"/> 50.73(a)(2)(ii)	
<input type="checkbox"/> 20.405(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(iii)	
<input type="checkbox"/> 20.405(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME Randall D. Hart, Licensing Engineer TELEPHONE NUMBER 305 245-2940

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS
<u>X</u>	<u>BIAFI</u>	<u>FI</u>	<u>80</u>	<u>Y</u>					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (if yes, complete EXPECTED SUBMISSION DATE)  NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

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

Event: On April 3, 1986, while Unit 3 was in Mode 2 (start-up), the requirements of Technical Specification (TS) 3.8 were exceeded. During the performance of operating surveillance (OSP) 3-OSP-075.1, Auxiliary Feedwater Train I Operability Verification, an operator noticed that when 'A' auxiliary feedwater (AFW) pump trip and throttle (T&T) valve was mechanically tripped as per procedure, there was no light indication in the control room. The 'A' AFW pump was declared out-of-service (OOS) at 2127. TS 3.8.4.a requires two independent AFW trains to be operable whenever a single unit is above hot shutdown. At this time, the 'C' AFW pump was OOS for maintenance. With one AFW train OOS, the requirements of TS 3.8.4.a were exceeded placing the unit under the requirements of TS 3.0.1 requiring a unit shutdown. A unit shutdown was commenced at 2238 and stopped at 2250 when the 'A' AFW pump was placed back in service.

Cause of Event: An inspection of the T&T valve for the 'A' AFW pump revealed that the limit switch, which indicates a mechanical overspeed trip, was installed in such a way that the actuating arm did not make proper contact with the trip relatch lever.

- Corrective Actions:
- 1) The light indication for the T&T valve was repaired and the 'A' AFW pump was placed back in service.
  - 2) The AFW trains were satisfactorily tested as per applicable plant procedures.
  - 3) The AFW train surveillance procedures will be revised to include a caution to ensure the limit switch arm is correctly aligned whenever resetting the mechanical overspeed trip.

LEAD  
171

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)  Turkey Point Unit 3	DOCKET NUMBER (2)  05000250	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		86	015	00	02	OF 02

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

Event:

On April 8, 1986, while Unit 3 was in Mode 2 (start-up), the requirements of Technical Specification (TS) 3.8 were exceeded. During the performance of operating surveillance (OSP) 3-OSP-075.1, Auxiliary Feedwater Train 1 Operability Verification, an operator noticed that when 'A' auxiliary feedwater (AFW) pump trip and throttle (T&T) valve was mechanically tripped as per procedure, there was no light indication in the control room. The 'A' AFW pump was declared out-of-service (OOS) at 2127. TS 3.8.4.a requires two independent AFW trains to be operable whenever a single unit is above hot shutdown. At this time, the 'C' AFW pump was OOS for maintenance. With one AFW train OOS, the requirements of TS 3.8.4.a were exceeded placing the unit under the requirements of TS 3.0.1 requiring a unit shutdown. A unit shutdown was commenced at 2238 and stopped at 2250 when the 'A' AFW pump was placed back in service.

Cause of Event:

An inspection of the T&T valve for the 'A' AFW pump revealed that the limit switch, which indicates a mechanical overspeed trip, was installed in such a way that the actuating arm did not make proper contact with the trip relatch lever.

Analysis of Event:

At the time of the event, Unit 3 was returning from an approximately one (1) month long outage for testing and maintenance activities. The 'A' AFW pump was OOS for approximately an hour and a half and both AFW trains were subsequently satisfactorily tested. The 'B' AFW pump was operable thus maintaining train 2 operable throughout this event. Based on the above, the health and safety of the public were not affected.

Corrective Actions:

- 1) A plant work order (PWO) was written to repair the light indication for the 'A' AFW pump T&T valve. The limit switch was aligned properly with the relatch lever and the 'A' AFW pump was placed back in service at 2250.
- 2) 3-OSP-075.1 was satisfactorily completed for AFW train 1 at 0115 on April 9, 1986.
- 3) 3-OSP-075.2 was satisfactorily completed for AFW train 2 at 0335 on April 9, 1986.
- 4) The AFW train surveillance procedures will be revised to include a caution to ensure the limit switch arm is correctly aligned whenever resetting the mechanical overspeed trip.

Additional Information:

The AFW pump steam driven turbine is a Terry Z54 type, manufactured by the Terry Corporation, which is a subsidiary of Ingersol Rand. Similar occurrences: None



MAY 8 1986

L-86-195

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

Gentlemen:

Re: Reportable Event 86-15  
Turkey Point Unit 3  
Date of Event: April 3, 1986  
Technical Specification - Auxiliary Feedwater System

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 "C. O. Woody".

C. O. Woody  
Group Vice President  
Nuclear Energy

COW/PLP:de

cc: Dr. J. Nelson Grace, Region II, USNRC  
Harold F. Reis, Esquire  
PNS-LI-86-148

IE22  
11

L6:1