

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Turkey Point Unit 3	DOCKET NUMBER (2) 0 5 0 0 0 2 5 0	PAGE (3) 1 OF 0 2
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TITLE (4)
Engineered Safety Feature Actuation - Turbine Runback

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			0 5 0 0 0 0
0 8	2 2	8 4	8 4	0 2 3		0 0	0 9	2 1 8 4	N/A			0 5 0 0 0 0

OPERATING MODE (9) **N**

POWER LEVEL (10) **1 0 0**

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

<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.405(c)	<input checked="" type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
<input type="checkbox"/> 20.405(a)(1)(i)	<input type="checkbox"/> 50.38(c)(1)	<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"/> 50.38(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 306A)
<input type="checkbox"/> 20.405(a)(1)(iii)	<input type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)	
<input type="checkbox"/> 20.405(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)	
<input type="checkbox"/> 20.405(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME: **Randall D. Hart, Licensing Engineer**

TELEPHONE NUMBER: **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 NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS
B	A A F U		W I 2 0	Y					

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)

On August 22, 1984, while Unit 3 was at 100% power, a turbine runback to 45% power occurred. The root cause was determined to stem from a dropped control rod in shutdown bank A. The dropped rod was caused by a blown stationary gripper fuse. All equipment functioned as designed on initiation of the Engineered Safety Feature Actuation Signal (ESFAS). Immediate corrective actions included: 1) stabilizing the unit at 45% power, 2) having I and C personnel identify the cause of the dropped rod and affecting repairs, and 3) calculating quadrant to average power tilt and reducing NIS Power Range High Neutron Flux Trip Setpoint to 75% power as required by Technical Specifications.

A significant event notification was made to NRCOC via ENS in accordance with 10 CFR 50.72. The health and safety of the public were not affected. Similar occurrences: LER 251-83-008, LER 250-83-005 and LER 250-80-022.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 4	- 0 2 3	- 0 0	0 2	OF 0 2

TEXT (if more space is required, use additional NRC Form 365A's) (17)

On August 22, 1984, at 9:03 a.m., while Unit 3 was at 100% power, a turbine runback to approximately 45% power occurred. The turbine runback was due to a dropped control rod (J-3) in shutdown bank A. The dropped rod was due to a blown stationary gripper fuse. The turbine runback for Unit 3 is set at a 30% power reduction. Investigations into the cause for the 55% runback that occurred, failed to reveal any root cause.

The unit was stabilized and Reactor Engineering was called to perform an incore flux map to verify that a dropped rod had occurred. I and C personnel investigated the cause of the dropped rod, found a blown stationary gripper fuse, and replaced the fuse. An attempt was made to retrieve the dropped rod, at 9:53 a.m., as per Operating Procedure (OP) 1608.1, Full Length RCC Malfunction, but the fuse blew again. Reactor Engineering calculated a quadrant to average power tilt in accordance with Technical Specification (TS) 3.2.6.h.3. The TS requires that if the quadrant to average power tilt exceeds $\pm 10\%$, the power level and NIS Power Range High Neutron Flux Trip Setpoints will be reduced from rated power by 2% for each percent of quadrant tilt. The calculation yielded a 12% tilt so the trip setpoints needed to be reduced by 24%. However, setpoint was reduced to 75% (instead of 84% as required by TS) for conservatism. The unit was placed in a hot shutdown condition at 8:22 p.m. in order for I and C personnel to determine the cause of the blown fuse. They found a loose cable connector for the cable on control rod J-3 and replaced it. Upon completion of the repairs and identification of no further problems, the NIS Power Range High Neutron Flux Trip Setpoints were reset to 108% power and the unit was placed on line at 2:30 p.m., on August 23, 1984.



September 21, 1984
PNS-LI-84-332

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

Gentlemen:

Re: Reportable Event 84-23
Turkey Point Unit 3
Date of Event: August 22, 1984
Engineered Safety Feature Actuation - Turbine Runback

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,

JW
for *Ed Woody*
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

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