

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
Turkey Point Unit 3

DOCKET NUMBER (2)

0 5 0 0 0 2 5 0 1 OF 2

TITLE (4)

Engineered Safety Feature Actuation - Reactor Trip

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 7	1 4	8 4	8 4	0 2	1	0 0	0 8	1 3	N/A		0 5 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)									
	N	20.402(b)		20.405(c)	X	50.73(a)(2)(iv)		73.71(b)			
POWER LEVEL (10)	0 0 0	20.405(a)(1)(i)		50.36(c)(1)		50.73(a)(2)(v)		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 366A)			
		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: John Lovell, Regulation and Compliance 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 NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	

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 July 14, 1984, Unit 3 experienced a reactor trip from a subcritical condition. The reactor trip signal was caused by a power interruption of the source range nuclear instrumentation control power while Maintenance personnel were troubleshooting the circuitry.

All equipment functioned as designed on initiation of the Engineered Safety Feature Actuation Signal (ESFAS). Immediate actions included:

- 1) Verification that an actual reactor power excursion had not occurred via the other source range channel N-31 and, intermediate range channels N-35 and N-36.
- 2) Verification that a power interruption of the N-32 circuitry had occurred by Maintenance personnel troubleshooting the equipment.
- 3) Performed Off-Normal Operating Procedure 208.1 for reactor trip.
- 4) In accordance with 10 CFR 50.72(b)(2)(ii), notification of a Significant Event was made to the NRCOC and the resident inspector.

Immediate corrective action was to counsel Maintenance personnel on the need to exercise caution when troubleshooting the nuclear instrumentation with the reactor protection equipment in service.

The health and safety of the public were not affected. Similar occurrences: 251-84-14.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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			
Turkey Point Unit 3	0500025084	02	1	00	02	OF	02

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

At 11:14 a.m., on July 14, 1984, Unit 3 experienced a reactor trip from a subcritical condition due to maintenance being performed on the nuclear instrumentation.

The reactor shutdown banks A and B were in the withdrawn position. The unit was stable with the source range instrumentation indicating approximately 450 counts per second. Maintenance personnel were troubleshooting a suspected faulted electrical connector in channel two of the source range instrumentation. The reactor trip was bypassed for channel two with channel one in the normal position. The reactor trip occurred when the control power to channel two was interrupted by disconnection of a multiplug connector.

The nuclear instrumentation is designed to fail in the safe position upon control power loss. Therefore, the bistables failed to the safe position. The required one out of two source range high flux at shutdown logic was made up and the reactor trip breakers opened.

Reactor trip conditions were verified and all equipment functioned as designed on initiation of the Engineered Safety Feature Actuation Signal (ESFAS). It was determined that no increase in neutron flux had actually occurred according to the other source range N-31 and intermediate range N-35 and N-36. Maintenance personnel were instructed to exercise caution when troubleshooting the nuclear instrumentation with the reactor protection equipment in service.

The source range channel N-32 was repaired and returned to service at 10:10 p.m., July 14. Unit 3 was returned to service at 12:05 p.m., July 17, 1984.

August 13, 1984
PNS-LI-84-288

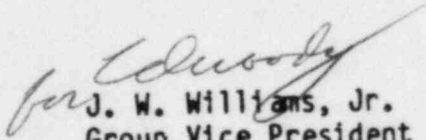
U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Gentlemen:

Re: Reportable Event 84-21
Turkey Point Unit 3
Date of Event: July 14, 1984
Engineered Safety Feature
Actuation - Reactor Trip

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,


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

JWW/JEM/js

Attachment

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

IE22

11