

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 0 1																			
TITLE (4) Process Radiation Monitor Failure Causes Control Room Ventilation and Containment Vent Isolation																																							
EVENT DATE (5) 0 2 1 2 8 7 8 7 - 0 0 5 - 0 0 0 3 1 6 8 7										LER NUMBER (6) 0 0 0 5 - 0 0 0 3 1 6 8 7										REPORT DATE (7) 0 0 0 3 1 6 8 7										OTHER FACILITIES INVOLVED (8) Turkey Point Unit 3 N/A									
OPERATING MODE (9) 1										THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11) <input checked="" type="checkbox"/> 20.402(b) <input type="checkbox"/> 20.405(a)(1)(i) <input type="checkbox"/> 20.405(a)(1)(ii) <input type="checkbox"/> 20.405(a)(1)(iii) <input type="checkbox"/> 20.405(a)(1)(iv) <input type="checkbox"/> 20.405(a)(1)(v)										<input checked="" type="checkbox"/> 50.73(a)(2)(iv) <input type="checkbox"/> 50.73(a)(2)(v) <input type="checkbox"/> 50.73(a)(2)(vii) <input type="checkbox"/> 50.73(a)(2)(viii)(A) <input type="checkbox"/> 50.73(a)(2)(viii)(B) <input type="checkbox"/> 50.73(a)(2)(ix)										<input type="checkbox"/> 73.71(b) <input type="checkbox"/> 73.71(c) <input type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 366A)									
POWER LEVEL (10) 1 0 0										LICENSEE CONTACT FOR THIS LER (12) Gabe Salamon, Compliance Engineer										TELEPHONE NUMBER 3 0 5 2 4 6 - 1 3 0 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	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC										
B	I	L	R	E	T	2	6	0	Y																														
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)

EVENT:

On February 12, 1987, at 0310, with Unit 4 at 100% power, Process Radiation Monitor (PRM) R-11, the airborne radioactive particulate containment radiation monitor tripped, actuating the containment and control room ventilation isolation logic. The control room ventilation isolated and switched into the recirculation mode, and the containment vent isolated, per design. Following the actuation, R-11 was taken out of service, and a thorough root cause analysis was performed. This analysis identified the cause of the actuation to be a failed transistor and a failed resistor. PRM R-12, the radioactive gas containment radiation monitor, was operable while PRM R-11 was out of service, thus providing backup radiation detection. Based on the above, the health and safety of the public were not affected. The defective resistor and the defective transistor were replaced. Enhancements to increase the reliability of the PRM equipment are being evaluated at this time.

Manufacturer: Tracer Lab Instrument. Model Number: RM40B-(V41)

Similar occurrences: LER's 251-86-027, 251-86-026, 251-86-012, 251-86-011, 251-85-014, 251-84-004, 251-86-029.

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L-87-118
10 CFR 50.73

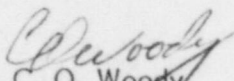
U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Gentlemen:

Re: Reportable Event 87-05
Turkey Point Unit 4
Docket No. 50-251
Date of Event: February 12, 1987
Process Radiation Monitor Failure Causes Control Room
Ventilation and Containment Vent Isolation

The attached Licensee Event Report is being submitted pursuant to the requirements of 10 CFR 50.73 to provide notification of the subject event.

Very truly yours,


C. O. Woody
Group Vice President
Nuclear Energy

COW/RG/gp

Attachment

cc: Dr. J. Nelson Grace, Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, Turkey Point Plant

IE22
1/1