

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8801270030 DOC. DATE: 88/01/19 NOTARIZED: NO DOCKET #  
 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250  
 AUTH. NAME AUTHOR AFFILIATION  
 SALAMON, G. Florida Power & Light Co.  
 WOODY, C. O. Florida Power & Light Co.  
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 87-032-00: on 871217, control room ventilation sys & components isolated following trip of breaker 3POB-19. Caused by ground in field wiring when one relay deenergized. Breaker reset & monitors returned to svc. W/871119 ltr.

DISTRIBUTION CODE: IE22D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4  
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

## NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD2-2 LA	1 1	PD2-2 PD	1 1
	McDONALD, D	1 1		
INTERNAL:	ACRS MICHELSON	1 1	ACRS MOELLER	2 2
	AEOD/DOA	1 1	AEOD/DSP/NAS	1 1
	AEOD/DSP/ROAB	2 2	AEOD/DSP/TPAB	1 1
	ARM/DCTS/DAB	1 1	DEDRO	1 1
	NRR/DEST/ADS	1 0	NRR/DEST/CEB	1 1
	NRR/DEST/ELB	1 1	NRR/DEST/ICSB	1 1
	NRR/DEST/MEB	1 1	NRR/DEST/MTB	1 1
	NRR/DEST/PSB	1 1	NRR/DEST/RSB	1 1
	NRR/DEST/SGB	1 1	NRR/DLPQ/HFB	1 1
	NRR/DLPQ/QAB	1 1	NRR/DOEA/EAB	1 1
	NRR/DREP/RAB	1 1	NRR/DREP/RPB	2 2
	NRR/DRIS/SIB	1 1	NRR/PMAS/ILRB	1 1
	<u>REG FILE</u> 02	1 1	RES TELFORD, J	1 1
	RES/DE/EIB	1 1	RES/DRPS DIR	1 1
	RGN2 FILE 01	1 1		
EXTERNAL:	EG&G GROH, M	5 5	FORD BLDG HOY, A	1 1
	H ST LOBBY WARD	1 1	LPDR	1 1
	NRC PDR	1 1	NSIC HARRIS, J	1 1
	NSIC MAYS, G	1 1		

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) <b>Turkey Point Unit 3</b>										DOCKET NUMBER (2) <b>0 5 0 0 0 2 5 0 1</b>										PAGE (3) <b>1 OF 0 1 3</b>																		
TITLE (4) <b>Control Room Ventilation Isolation Upon Containment Radioactive Particulate Monitor Actuation Due to Faulty Remote Readout on Blowdown Effluent Radiation Monitor</b>																																						
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)					
																											<b>Turkey Point Unit 4</b>						<b>0 5 0 0 0 2 5 1 1</b>					
<b>1 2 1 7 8 7</b>			<b>8 7</b>			<b>0 3 2</b>			<b>0 0</b>			<b>0 1 1 9 8 8</b>															<b>0 5 0 0 0</b>											
OPERATING MODE (9) <b>4</b>						THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)																																
POWER LEVEL (10) <b>01 01 0</b>						20.402(b)						20.406(e)						<input checked="" type="checkbox"/> 50.73(e)(2)(iv)						73.71(b)														
						20.406(a)(1)(i)						50.36(e)(1)						50.73(e)(2)(v)						73.71(c)														
						20.406(a)(1)(ii)						50.36(e)(2)						50.73(e)(2)(vii)						OTHER (Specify in Abstract below and in Text, NRC Form 366A)														
						20.406(a)(1)(iii)						50.73(a)(2)(i)						50.73(e)(2)(viii)(A)																				
						20.406(a)(1)(iv)						50.73(a)(2)(ii)						50.73(e)(2)(viii)(B)																				
						20.406(a)(1)(v)						50.73(a)(2)(iii)						50.73(e)(2)(x)																				
LICENSEE CONTACT FOR THIS LER (12)																																						
NAME <b>Gabe Salamon, Compliance Engineer</b>												TELEPHONE NUMBER <b>310 5 214 61-1615 610</b>																										
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																		
<b>C</b>		<b>W I</b>		<b>R I</b>		<b>F I</b>		<b>1 8 1 0</b>		<b>N</b>																												
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)						MONTH				DAY		YEAR														
<input checked="" type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)												<input type="checkbox"/> NO																										

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

On December 17, 1987, with Unit 3 in Mode 5 and Unit 4 in Mode 1 at 94% power, the Unit 3 Blowdown Effluent Radiation Monitor (R-19) was undergoing periodic surveillance. R-19's high alarm was initiated. Coincident with this, breaker 3P08-19 (which supplies power to Process Radiation Monitor System (PRMS) Rack 66) tripped. Because the Containment Radioactive Particulate Monitor (R-11) is also powered from breaker 3P08-19, it also lost power. R-11 is designed to actuate Containment and Control Control Room Ventilation Isolation upon a loss of power. At 0421, the Control Room Ventilation and the Containment Ventilation System components isolated following the trip of breaker 3P08-19. Troubleshooting discovered that breaker 3P08-19 was tripping due to a ground in the field wiring, which occurred when one of the relays in R-19 was deenergized. The cause of breaker 3P08-19 tripping was determined to be a ground caused by corrosion found on a remote buzzer coil and light socket. R-19 was recently replaced with a new drawer of different design. After evaluating the purpose of the remote meter, buzzer, and light, it was determined that they were not required. A Change Request lifting the power leads to the remote meter and eliminating the ground was generated.

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PDR ADDCK 05000250  
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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/88

FACILITY NAME (1)  Turkey Point Unit 3	DOCKET NUMBER (2)  0 5 0 0 0 2 5 0 8 7 - 0 3 2 - 0 0 0 2 OF 0 3	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		

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

EVENT

On December 17, 1987, with Unit 3 in Mode 5 and Unit 4 in Mode 1 at 94% power, the Unit 3 Blowdown Effluent Radiation Monitor (R-19) (EIIIS:IL) was undergoing periodic surveillance. As part of the surveillance, the Reactor Control Operator (RCO) initiated the R-19 high alarm. Coincident with the high alarm, breaker 3P08-19 (which supplies power to Process Radiation Monitor System (PRMS) Rack 66) tripped. Because the Containment Radioactive Particulate Monitor (R-11) is also powered from breaker 3P08-19, it also lost power. R-11 is designed to actuate Containment and Control Room Ventilation Isolation upon a loss of power. At 0421, the Control Room Ventilation and the Containment Ventilation System components isolated following the trip of breaker 3P08-19. Following the alarms, the surveillance of R-19 was halted. Breaker 3P08-19 was then reclosed, the high alarm on R-19 was reinitiated, however 3P08-19 tripped again. The cause of the actuation was identified, and R-11 was returned to service at 1450 on December 17, 1987.

CAUSE OF EVENT

Troubleshooting discovered that breaker 3P08-19 was tripping due to a ground in the field wiring, which occurred when one of the relays in R-19 was deenergized. R-19 energizes a remote buzzer, light, and meter. The remote meter box did not have a light bulb or lens cover, and some corrosion was found on the buzzer coil and light socket. The cause of breaker 3P08-19 tripping was determined to be the ground caused by the corrosion found on the buzzer coil and light socket.

ANALYSIS OF EVENT

Upon the trip of breaker 3P08-19, the Containment and Control Room Ventilation Systems isolated per design. No radiation releases occurred during this event. Based on the above, the health and safety of the public were not affected.

CORRECTIVE ACTIONS

- 1) R-19 was declared out of service and was deenergized.
- 2) Breaker 3P08-19 was reset and the remainder of the Unit 3 process monitors supplied by breaker 3P08-19 were returned to service.

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/88

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Turkey Point Unit 3	05000251087-	03	2	010	03	OF	03

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

- 3) R-19 was recently replaced with a new drawer of different design. After evaluating the purpose of the remote meter, buzzer, and light, it was determined that they were not required. A Change Request to the Controlled Plant Work Order which installed the new drawers was generated. This Change Request lifted the leads from the meter, buzzer and light, thus eliminating the potential ground.

ADDITIONAL INFORMATION

Similar occurrences: LER's 251-86-030, 250-87-005, 250-87-008, 251-87-021, 251-87-023, 250-87-30.

**FPL**

JANUARY 19 1988

L-88-25  
10 CFR 50.73

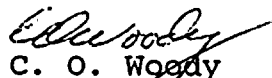
U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D. C. 20555

Gentlemen:

Re: Turkey Point Unit 3  
Docket No. 50-250  
Reportable Event: 87-32  
Date of Event: December 17, 1987  
Control Room Ventilation Isolation Upon Containment  
Radioactive Particulate Monitor Actuation Due to Faulty  
Remote Readout on Blowdown Effluent Radiation Monitor

The attached Licensee Event Report (LER) 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  
Executive Vice President

COW/SDF/gp

Attachment

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

SDF/018.LER

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