

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8801120356 DOC.DATE: 88/01/08 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 87-031-00:on 871209,control room ventilation isolation
 due to loss of power to containment particulate monitor.
 W/8 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
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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
REG FILE 02	1 1	RES DEPY GI	1 1
RES TELFORD,J	1 1	RES/DE/EIB	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		

TOTAL NUMBER OF COPIES REQUIRED: LTTR 46 ENCL 45

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 3																																																						
TITLE (4) Control Room Ventilation Isolation Due to Loss of Power to Containment Particulate Monitor Caused by Ground in Blowdown Effluent Radiation Monitor																																																																										
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)																																			
1			2			9			8			7			8			7			0			3			1			0			0			0			1			0			8			8			Turkey Point Unit 4												0 5 0 0 0 2 5 1											
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OPERATING MODE (9) 5										THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11).																																																																
POWER LEVEL (10) 01010										20.402(b)										20.406(c)										<input checked="" type="checkbox"/> 50.73(a)(2)(iv)										73.71(b)																																		
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										20.406(a)(1)(iii)										50.36(a)(2)										<input type="checkbox"/> 50.73(a)(2)(vii)										OTHER (Specify in Abstract below and in Text, NRC Form 366A)																																		
										20.406(a)(1)(iv)										50.73(a)(2)(i)										<input type="checkbox"/> 50.73(a)(2)(viii)(A)																																												
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LICENSEE CONTACT FOR THIS LER (12)																																																																										
NAME Gabe Salamon, Compliance Engineer																				TELEPHONE NUMBER AREA CODE 3 0 5 2 4 6 - 1 6 5 6 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)																				EXPECTED SUBMISSION DATE (15)										MONTH DAY YEAR																																												
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)																				<input checked="" type="checkbox"/> NO																																																						

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

On December 9, 1987, with Unit 3 in Mode 5 and Unit 4 in Mode 1 at 100% power, the Blowdown Effluent Radiation Monitor (R-19) was out of service. Maintenance to return R-19 to service was initiated. Upon removal of power from R-19, as the technician performing the maintenance began to remove R-19's ratemeter cover, breaker 3P08 (which supplies power to the Process Radiation Monitor System (PRMS) Rack 66) tripped. Because the Containment Radioactive Gas Monitor (R-12) is also powered from breaker 3P08, it also lost power. R-12 is designed to actuate Containment and Control Room Ventilation Isolation upon a loss of power. At 0822, the Control Room Ventilation and the Containment Ventilation System components isolated. Following the alarms, the automatic actions due to R-12 actuating were verified to have occurred and work on R-19 was halted. Breaker 3P08 was then reclosed, however it tripped again. PRMS Rack 66 was cleaned and inspected. The inspection revealed a small strand of bare wire on an internal ribbon connector in R-19 which probably caused the power supply to short to ground as the drawer was being worked on. The proper actuation of the components required to isolate the control room and the containment was verified. Additionally, PRMS drawers R-11, R-12; R-14, R-17A and R-17B, and panel R-66 were cleaned.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

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

EVENT

On December 9, 1987, with Unit 3 in Mode 5 and Unit 4 in Mode 1 at 100% power, the Blowdown Effluent Radiation Monitor (R-19) (EIIS:IL) was out of service (OOS). Maintenance to return R-19 to service was initiated. Upon removal of power from R-19, the technician performing the maintenance began to remove R-19's ratemeter cover. As the cover was being removed, breaker 3P08 (which supplies power to Process Radiation Monitor System (PRMS) Rack 66) tripped. Because the Containment Radioactive Gas Monitor (R-12) is also powered from breaker 3P08, it also lost power. R-12 is designed to actuate Containment and Control Room Ventilation Isolation upon a loss of power. At 0822, the Control Room Ventilation and the Containment Ventilation System components isolated following the trip of breaker 3P08. Following the alarms, the automatic actions due to R-12 actuating were verified to have occurred, and work on R-19 was halted. Breaker 3P08 was then reclosed, however it tripped again. The cause of the actuation was identified, and R-12 was returned to service at 1051 on December 9, 1987.

CAUSE OF EVENT

PRMS Rack 66 was cleaned and inspected. The inspection revealed a small strand of bare wire on an internal ribbon connector in R-19 which probably caused the power supply to short to ground as the drawer was being worked on. Several drawers in Rack 66 were replaced recently. The cause of the presence of the wire strand was inadequate housekeeping following the completion of the above modifications.

ANALYSIS OF EVENT

Upon the trip of breaker 3P08, the Control Room Ventilation System isolated per design. The automatic actions required for the isolation of the Containment Ventilation System also occurred however the containment did not isolate as the containment equipment hatch was open in order to support ongoing work at that time. Based on the above, the health and safety of the public were not affected.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

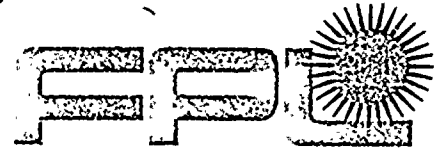
TEXT (If more space is required, use additional NRC Form 305A's) (17)

CORRECTIVE ACTIONS

- 1) The proper actuation of the components required to isolate the control room and the containment was verified.
- 2) The R-19 drawer was cleaned and inspected for the cause of the R-12 actuation.
- 3) PRMS drawers R-11, R-12, R-14, R-17A and R-17B, and rack R-66 were also cleaned.
- 4) Procedures will be reviewed to assure that housekeeping following modifications is addressed adequately.

ADDITIONAL INFORMATION

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



JANUARY 8 1988

L-88-7
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: 87-31
Date of Event: December 8, 1987
Control Room Ventilation Isolation Due to Loss of
Power to Containment Particulate Monitor Caused by
Ground in 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
for Executive Vice President

COW/SDF/kg

Attachment

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

SDF/018.LER

IE22
11

