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March 19, 1993
ND3MNO:3432

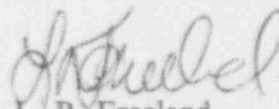
Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, Licensee No. DPR-66
LER 93-003-00

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Gentlemen:

In accordance with Appendix A, Beaver Valley Technical Specifications, the following Licensee Event Report is submitted:

LER 93-003-00, 10 CFR 50.73.a.2.i.B, "Control Room Habitability Air Bottle Subsystem Manually Isolated."


L. R. Freeland
General Manager
Nuclear Operations

STC/sl

Attachment

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LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Beaver Valley Power Station Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 3 3 4 1				PAGE (3) 1 OF 0 3						
TITLE (4) Control Room Habitability Air Bottle Subsystem Manually Isolated																				
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)							
0	2	1	7	9	3	9	3	0	0	3	0	0	0	3	1	9	9	3	Beaver Valley Unit 2	0 5 0 0 0 4 1 2
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)																	
1			20.402(b)				20.405(c)				50.73(a)(2)(iv)				73.71(b)					
POWER LEVEL (10)			20.405(a)(1)(i)				50.36(c)(1)				50.73(a)(2)(i)				73.71(c)					
0 9 10			20.405(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(iii)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)					
			20.405(a)(1)(iii)				X 50.73(a)(2)(i)				50.73(a)(2)(iii)(A)									
			20.405(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(iii)(B)									
			20.405(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(iv)									
LICENSEE CONTACT FOR THIS LER (12)																				
NAME										TELEPHONE NUMBER										
L. R. Freeland, General Manager Nuclear Operations										4 1 2 6 4 3 - 1 2 5 8										
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										
X	I	L	X	X	X	X	X	X	X	N										
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)		MONTH		DAY		YEAR				
YES (If yes, complete EXPECTED SUBMISSION DATE)										X NO										

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

On 2/17/93 at 1114 hrs, during surveillance testing on a Containment High Range Radiation Monitor, an electrical noise spike caused a spurious High Radiation Alarm on a Control Room Radiation Monitor and actuated the Control Room Emergency Habitability System. Following confirmation that the actuating signal was not valid, operators isolated the air bottle subsystem which began discharging into the control room. By manually isolating this subsystem at 1116 Hrs, the station intentionally entered Technical Specification 3.0.3.

After resetting the spurious high radiation signal, the Air Bottle subsystem was unisolated and the Control Room Habitability System was returned to normal system arrangement. The Station exited Technical Specification 3.0.3. at 1135 Hrs.

Since the Control Room Emergency Habitability System Air Bottles were isolated, this event is being reported in accordance with 10CFR50.73.a.2.i.B as a condition prohibited by Technical Specifications.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Beaver Valley Power Station Unit 1	0 5 0 0 0 3 3 4 9 3 —	0 0 3 —	0 0	0 2	OF	0 3	

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

Description of Event

On 2/17/93 at 1114 hrs, an operator was performing a surveillance test on RM-RM-219A, Containment High Range Radiation Monitor. When he placed the monitor's control switch to the "Test" position in accordance with the surveillance procedure, he noticed a needle deflection on RM-RM-218A, Control Room Radiation Monitor. A High Radiation Alarm was also received on RM-RM-218A.

Immediately following the alarm, the Control Room Emergency Habitability Air Bottles began discharging into the control room. After verifying that no valid Control Room Emergency Habitability System actuation signals existed, an operator was dispatched to isolate the air bottles in accordance with operating procedure 1/2.44A.4A, "Post Control Room Habitability System Actuation/Recovery." This action was taken to maintain air bottle pressures above the 1825 psig limit of Technical Specification 3.7.7.1. and eliminate the need to recharge them prior to restoring them operable.

Although all five bottled air subsystems remained above the Technical Specification pressure, the station entered Technical Specification 3.0.3. at 1116 Hrs because they were manually isolated.

After resetting the spurious RM-RM-218A high radiation signal, the Control Room Habitability System was returned to normal system arrangement. All five bottled air subsystems were unisolated at 1135 Hrs and the Station exited Technical Specification 3.0.3. Since the air bottles remained above 1825 psig, the time in which the station operated in Technical Specification 3.0.3. was limited to 19 minutes.

Cause of Event

The cause of this event was determined to be electrical noise spiking caused when the control switch for RM-RM-219A was placed in the "test" position.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 60.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (F-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1) Beaver Valley Power Station Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 3 4 9 3 —	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		0 0 3 —	0 0	0 3	OF	0 3	

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

Corrective Actions

The following corrective actions have been or will be taken as a result of this event:

1. Operations personnel performed procedure OM 1/2.44.4A, to return the Control Room Habitability System to normal system arrangement.
2. The control switch contacts for RM-RM-219A were cleaned. This markedly reduced circuit noise.

Reportability

This report is being submitted in accordance with 10CFR50.73.a.2.i.B because the station operated in a condition prohibited by Technical Specifications and entered Technical Specification 3.0.3.

Safety Implications

The safety implications of this event were minimal. The Control Room Habitability System functioned as designed. Since the bottles were isolated in a timely manner, the air bottle subsystem pressure remained above the 1825 psig limit required by Technical Specification 3.7.7.1. This minimized the time spent in Technical Specification 3.0.3. by eliminating the need to recharge the bottles. The subsystem was inoperable only because it was manually isolated for 19 minutes during which it could have been returned to service if a valid need arose.

Previous Similar Events

Beaver Valley Station Unit 2 has submitted LER 88-12 which involved a Control Room Emergency Habitability Air Bottle Subsystem actuation and forced shutdown of both Units due to entry into Technical Specification 3.0.3. on 8/22/88.



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