

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Beaver Valley Power Station, Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 3 4	PAGE (3) 1 OF 02
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TITLE (4)
Reactor Trip Due To Low Level Amplifier Installation

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		
1	2	8	4	8	4	0	1	7	N/A		
1	2	8	4	8	4	0	1	7	N/A		
1	2	8	4	8	4	0	1	7	0 5 0 0 0		
1	2	8	4	8	4	0	1	7	0 5 0 0 0		

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)

OPERATING MODE (9) 5	20.402(b)	20.406(e)	<input checked="" type="checkbox"/>	50.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 0, 0, 0	20.406(a)(1)(i)	50.36(c)(1)	<input type="checkbox"/>	50.73(a)(2)(v)	73.71(c)
	20.406(a)(1)(ii)	50.36(c)(2)	<input type="checkbox"/>	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 355A)
	20.406(a)(1)(iii)	50.73(a)(2)(i)	<input type="checkbox"/>	50.73(a)(2)(viii)(A)	
	20.406(a)(1)(iv)	50.73(a)(2)(ii)	<input type="checkbox"/>	50.73(a)(2)(viii)(B)	
	20.406(a)(1)(v)	50.73(a)(2)(iii)	<input type="checkbox"/>	50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Robert J. Druga, Manager, Technical Services	4 1 2 6 4 3 - 5 3 0 8

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

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) (18)

The plant was in a Cold Shutdown condition, Mode 5, and the control rod shut-down banks were being withdrawn to facilitate plant startup after the Fourth Refueling Outage. Maintenance Surveillance Procedure (MSP) 2.03 on the Power Range Nuclear Instrumentation was in progress. The Loop I Overpower delta T (OPΔT) and Overtemperature delta T (OTΔT) Reactor Trip bistables were in a tripped condition as a requirement of the MSP. A Meter and Control Repairman (MCR) was working in the process racks troubleshooting a separate problem with the loop temperature protection instrumentation. During the course of this troubleshooting, an instantaneous output signal excursion was generated which tripped the Loop II OPΔT and OTΔT bistables momentarily, thus satisfying the two of three coincidence logic and tripping the reactor.

The incident report from this event will be routed to all licensed operators personnel as information intended to warn of the hazards present during module installation.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		

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

On 12/23/84, with the plant in a Cold Shutdown condition and the Reactor Coolant System borated to approximately 2000 ppm, control rod shutdown banks A and B were being withdrawn from the core and the Reactor Trip Breakers were closed. Shutdown bank A was withdrawn 225 steps and shutdown bank B was withdrawn 5 steps. Maintenance Surveillance Procedure (MSP) 2.03, "Power Range Neutron Flux Detector N41 Quarterly Calibration", was in progress. The Loop I Overpower delta T (OPΔT) and Overtemperature delta T (OTΔT) Reactor Trip bistables were in the tripped condition, as required by the MSP.

A Meter and Control Repairman (MCR) was working in the process racks troubleshooting a separate problem with loop temperature protection instrumentation. During the course of this troubleshooting, the MCR was swapping low level amplifier modules in an attempt to locate the source of the problem. At approximately 1444 hours, as the MCR inserted one of the modules, it generated an instantaneous output signal excursion that tripped the Loop II OPΔT and OTΔT bistables momentarily, thus satisfying the two of three coincidence logic and tripping the reactor.

The incident report from this event will be routed to all licensed operations personnel as information intended to warn of the hazards present during module installation.

There were no adverse implications to the health and safety of the plant personnel or the general public. The reactor trip breakers opened and the withdrawn control rods fell into the core as designed. All emergency equipment was operable.



Duquesne Light

Nuclear Division
P.O. Box 4
Shippingport, PA 15077-0004

Telephone (412) 393-6000

January 21, 1985
ND1SS1:2332

Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, License No. DPR-66
LER 84-017

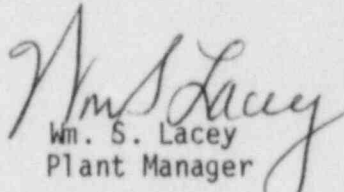
Dr. Thomas E. Murley
Regional Administrator
United States Nuclear Regulatory Commission
Region I
Park Avenue
King of Prussia, PA 19046

Gentlemen:

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

LER 84-017, 10 CFR 50.73.a.2.iv, "Engineered Safeguards Features System Actuation".

Very truly yours,


Wm. S. Lacey
Plant Manager

md

Attachment

IE22
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T. E. Murley
January 21, 1985
ND1SS1:2332
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cc: Director of Management & Program Analysis
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Washington, D.C. 20555

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