

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 0 1		
TITLE (4) Reactor Trip on Source Range High Flux during Manual Reactor Shutdown																
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)			
									N/A				0 5 0 0 0			
0 3	1 2	8 4	8 4	0 0 3	0 0	0 4	0 6	8 4	N/A				0 5 0 0 0			
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)														
2		20.402(b)				20.406(a)				50.73(a)(2)(iv)				73.71(b)		
POWER LEVEL (10)		20.406(a)(1)(i)				50.36(a)(1)				50.73(a)(2)(v)				73.71(c)		
0 0 0		20.406(a)(1)(ii)				50.36(a)(2)				50.73(a)(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(a)(2)(viii)(A)						
		20.406(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)						
		20.406(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)						
LICENSEE CONTACT FOR THIS LER (12)																
NAME										TELEPHONE NUMBER						
Robert J. Druga, Chief Engineer										AREA CODE						
										4 1 2 6 4 3 - 1 2 6 4						
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						
A	XIX	XIX	XIX	XIX	N											
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 3/12/84, at 2100 hours, during the course of a planned manual reactor shutdown, a reactor trip on Source Range High Neutron Flux occurred. The source range instrument fuses were removed at power because of previous problems involving inadvertent re-energization of the source range detectors while at power. The removal of the instrument fuses causes an automatic trip of the source range reactor bistables; however, these bistables are blocked while at power by a power escalation permissive (P-6, setpoint 10E-10 amperes). During the power descension, Shift Supervision instructed the operators to install the instrument fuses just prior to reaching the P-6 setpoint. Before the operators had installed the instrument fuses, an automatic removal of the P-6 block occurred and the source range trip bistables initiated a reactor trip on High Neutron Flux because the bistables had already been in a de-energized state due to the removal of the instrument fuses. The cause for this event has been attributed to personnel error. This incident will be reviewed by all Shift Supervision to prevent a future occurrence of this type. There were no safety implications to the public because all systems functioned as designed to place the plant in a shutdown condition.

8404170160 840406
PDR ADOCK 05000334
S PDR



Duquesne Light

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

Telephone (412) 393-6000

April 10, 1984
ND1SS1:2052

Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, License No. DPR-66
LER 84-003

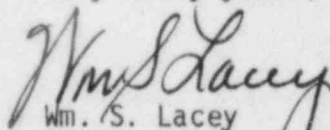
United States Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Gentlemen:

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

LER 84-003, 10 CFR 50.73.a.2.iv, "Automatic Actuation of Reactor Protection System (RPS)".

Very truly yours,


Wm. S. Lacey
Station Superintendent

Attachment

IE-22
11

U. S. NRC - Document Control Desk
April 10, 1984
ND1SS1:2052
Page two

cc: Director of Management & Program Analysis
United States Nuclear Regulatory Commission
Washington, D.C. 20555

C. A. Roteck, Ohio Edison

Director, Office of Inspection and Enforcement Headquarters
United States Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. Peter Tam, BVPS Licensing Project Manager
United States Nuclear Regulatory Commission
Washington, D.C. 20555

W. Troskoski, Nuclear Regulatory Commission, BVPS Site Inspector

Mr. Alex Timme, CAPCO Nuclear Projects Coordinator, Toledo Edison

INPO Records Center
Suite 1500
1100 Circle 75 Parkway
Atlanta, GA 30339

G. E. Muckle, Factory Mutual Engineering, Pittsburgh

Dr. Thomas E. Murley
Regional Administrator
United States Nuclear Regulatory Commission
Region 1
631 Park Avenue
King of Prussia, PA 19406

Mr. J. A. Triggiani, Operating Plant Projects Manager
Mid Atlantic Area
Westinghouse Electric Corporation
Nuclear Services Integration Division
Box 2728
Pittsburgh, PA 15230