

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

7 8 9

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

7 3 9 30

ACTIVITY	CONTENT		
		(25)	(26)

PERSONNEL EXPOSURES[illegible]

8 9 11 12 30

8307220443 830708 30

NRC USE ONLY

8307220443 830708  
PDR ADCK 05000334  
S PDR

Attachment to LER 83-02/03X-2  
Beaver Valley Power Station  
Duquesne Light Company  
Docket No. 50-334

Although the relay outputs were disconnected, the inputs remained connected to the bus. Currently, the Substations and Shops Department is monitoring the outputs of 62-Z41 for any further relay misoperation.

No definite cause could be found for the inadvertent operation of Bus Back-Up Timer 62-Z41. However, several possible causes have been presented by the Substations and Shops Department which could have resulted in the misoperation.

- (1) A cleaning crew was working in the substation at the time of the misoperation. A test (run with a wet mop) showed that accidental contact of the mop with an input switch for a SBFU relay would cause operation of 62-Z41.
- (2) An electrical ground on either a station battery or a SBFU relay input could cause 62-Z41 to operate.
- (3) A current cut-off switch for a SBFU relay was found to be defective. Arcing was observed when the switch was disconnected. This may have resulted in timer operation.

As a result of this investigation by the Substations and Shops Department, several corrective measures are being implemented in an effort to improve timer reliability. These changes apply only to the Number 1 - 138 KV Line Backup Timer (62-Z41).

- (1) Interchange all SBFU relays and SRU relays at Beaver Valley Substation with similar relays at another Duquesne Light Company substation.
- (2) Modify SBFU relays in the Beaver Valley Substation so that an input ground will not result in 62-Z41 operation.
- (3) Install a physical barrier around the SBFU input switch which would prevent accidental bumping of the switch by personnel.
- (4) Replace the defective current cut-off switch.

These corrective actions are being implemented at the Beaver Valley Substation.



**Duquesne Light**

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

Telephone (412) 393-6000

July 8, 1983  
ND1SS1:0876

Beaver Valley Power Station, Unit No. 1  
Docket No. 50-334, License No. DPR-66  
LER 83-002/03X-2

Mr. J. M. Allen, Acting Regional Administrator  
United States Nuclear Regulatory Commission  
Region 1  
631 Park Avenue  
King of Prussia, PA 19406

Dear Mr. Allen:

In accordance with Appendix A, Beaver Valley Technical Specifications, the following Licensee Event Report is being submitted to correct the information previously provided under the Cause Description and Corrective Actions section of the original LER.

LER 83-002/03X-2, Technical Specification 3.8.1.1, Electrical Power Systems-A.C. Sources.

Very truly yours,

Wm. S. Lacey  
Station Superintendent

Attachment

IEU 11

-- J. M. Allen  
ND1SS1:0876  
July 8, 1983  
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

Arthur Alford, Stone & Webster/Boston