

UPDATED LICENSEE EVENT REPORT - PREVIOUS REPORT DATE 11/16/84

CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

1 P A B V S 1 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5

1 REPORT SOURCE L 6 0 5 0 0 0 3 3 4 7 1 0 1 8 8 2 9 0 8 2 0 8 4 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

2 On 10/18/82 at 0845 hours during the start up of the 1B Main Feed Pump,
3 an apparent overcurrent condition was detected by the 1B Station Service
4 transformer primary side overcurrent relay. T.S. 3.8.2.1 requires two
5 offsite AC sources, one of which was temporarily disconnected when the 1B
6 transformer secondary feeder breakers were tripped by the relay actuation.
7 Public health and safety was not jeopardized since the No. 2 Diesel
8 Generator supplied the emergency bus loads.

9 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
11 E B 12 E 13 A 14 R E L A Y X 15 S 16 Z
17 LER/RO REPORT NUMBER 18 8 19 X 20 Z 21 Z 22 0 0 0 0 23 Y 24 N 25 A 26 I 2 0 2
27 0 1 8 28 0 3 29 L 30 31 32 2

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

0 The test results have concluded that the starting current for FW-P-1B was
1 not excessive. The reason for the relay actuation was associated with
2 the relay setting. An increase in the relay setting was initiated as a
3 temporary corrective action. A station modification has been initiated to
4 replace the relays with an improved model as a permanent correction.

5 FACILITY STATUS % POWER OTHER STATUS 30 METHOD OF DISCOVERY DISCOVERY DESCRIPTION 32
8 D 28 1 0 0 29 N/A 31 A 32 Operator Observation

6 ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY 35 LOCATION OF RELEASE 36
8 Z 33 Z 34 N/A 35 N/A 36 N/A

7 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION 39
8 0 0 0 37 Z 38 N/A

8 PERSONNEL INJURIES NUMBER DESCRIPTION 41
8 0 0 4 40 N/A
8409100100 840820
PDR ADOCK 05000334
S PDR

9 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION 43
8 Z 42 N/A

0 PUBLICITY ISSUED DESCRIPTION 45
8 N 44 N/A

Handwritten note: IE 22 11

Attachment To LER 82-048/03L-2
Beaver Valley Power Station
Duquesne Light Company
Docket No. 50-334

On 10/18/82, at 0817 hours, a plant load reduction was commenced. The load reduction was required due to a continuing control problem with the 1B Main Feed Regulating Valve [FCV-FW-488], which was causing level oscillations in the 1B Steam Generator. At 0826 hours with the load reduction in progress, a high-high level signal in the 1B Steam Generator was received. This resulted in a turbine trip, reactor trip and a feedwater isolation signal. The feedwater isolation signal caused the main feed pumps to trip and the auto start of the auxiliary feed pumps. At 0840 hour: an attempt was made to restore the main feedwater system to service. While starting the 1B Main Feed Pump, an apparent overcurrent condition was detected by the 1B System Station Service Transformer primary side overcurrent relay 51-109. This caused auxiliary relay 51-109X1 to trip the transformer secondary feeder breakers resulting in the temporary loss of one of the two station sources of offsite AC power. AC emergency loads previously being supplied through the 1B Transformer were maintained by the No. 2 Diesel Generator. At 0910 hours, the relay overcurrent target was cleared and its auxiliary reset. Offsite AC power for normal station loads was restored at 0923 hours. At 0946 hours, offsite AC power was restored to the station emergency buses and the No. 2 Diesel Generator was shut down.

Followup actions to date have included the replacement and testing of the affected relay, which is a type ITE 51I solid state relay manufactured by ITE Imperial Corporation. Oscillograms of FW-P-1B motor starting currents do not indicate any unusual values. Test results have concluded the reason for the relay actuation was the relay setting was exceeded due to additional loads on the associated busses at the time that the 1B Main Feed Pump was energized.

Corrective actions initiated as a result of the Electrical Engineering Evaluation are as follows:

- 1) Relay setting on the affected relays for the 1A and 1B System Station Service Transformer were increased as a temporary corrective action.
- 2) The pickup setting of the relays on the 1C and 1D Unit System Service Transformers were found to be at their maximum. Therefore, the time setting was increased temporarily until a permanent correction can be made.
- 3) As a permanent correction, the existing relays will be replaced with an improved model. Action has been initiated for this modification, and is currently scheduled to be performed during the next refueling outage.



Duquesne Light

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

Telephone (412) 393-6000

August 20, 1984
NDISS1:2147

Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, License No. DPR-66
LER 82-048/03L-2

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

Gentlemen:

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

LER 82-048/03L-2, Technical Specification 3.8.2.1, A.C. Onsite Power Distribution Systems.

This revised Licensee Event Report is being submitted to correct typographical errors which resulted in incorrect information on Licensee Event Report 82-048/03L-1.

Very truly yours,

Wm. S. Lacey
Station Superintendent

Attachment

IE22
/1

T. E. Murley
August 20, 1984
NDISS1:2147
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

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

American Nuclear Insurers
c/o Dottie Sherman, ANI Library
The Exchange Suite 245
270 Farmington Avenue
Farmington, CN 06032