



Duquesne Light

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April 2, 1984

United States Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA 19406

ATTENTION: Dr. Thomas E. Murley
Administrator

SUBJECT: Beaver Valley Power Station - Unit No. 2
Docket No. 50-412
York Electro Panel Control Company and Systems Control Corporation
Significant Deficiency Report No. 84-04, Interim Report

Gentlemen:

This interim report is in reference to the potentially reportable Significant Deficiency relating to factory wiring workmanship of the Main Control Board furnished by York Electro Panel Control Company and control and relay panels furnished by System Control Corporation. Duquesne Light Company notified the Region I office that an evaluation under 10CFR50.55(e) was underway on March 1, 1984.

Pursuant to the requirements of 10CFR50.55(e), an interim report is submitted, and it is presently anticipated that a subsequent report on this subject should be submitted to the Region I office by July 8, 1985.

DUQUESNE LIGHT COMPANY

By E. J. Woolever
E. J. Woolever
Vice President

SDH/wjs
Attachment

cc: Mr. R. DeYoung, Director
Office of Inspection and Enforcement (3) (w/a)
Mr. L. Lacitra, NRC Project Manager (w/a)
Mr. G. Walton, NRC Resident Inspector (w/a)
INPO Records Center (w/a)
NRC Document Control Desk (w/a)

SUBSCRIBED AND SWORN TO BEFORE ME THIS
2nd DAY OF April, 1984.

Anita Elaine Reiter
Notary Public

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PDR ADOCK 05000412
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ANITA ELAINE REITER, NOTARY PUBLIC
ROBINSON TOWNSHIP, ALLEGHENY COUNTY
MY COMMISSION EXPIRES OCTOBER 20, 1986

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COMMONWEALTH OF PENNSYLVANIA)
) SS:
COUNTY OF ALLEGHENY)

On this 2nd day of April, 1984, before me, a
Notary Public in and for said Commonwealth and County, personally appeared
E. J. Woolever, who being duly sworn, deposed and said that (1) he is Vice
President of Duquesne Light, (2) he is duly authorized to execute and file the
foregoing Submittal on behalf of said Company, and (3) the statements set forth
in the Submittal are true and correct to the best of his knowledge.

Anita Elaine Reiter
Notary Public

ANITA ELAINE REITER, NOTARY PUBLIC
ROBINSON TOWNSHIP, ALLEGHENY COUNTY
MY COMMISSION EXPIRES OCTOBER 20, 1986

BEAVER VALLEY POWER STATION - UNIT NO. 2
DUQUESNE LIGHT COMPANY

Potential Significant Deficiency of
Internal Wiring in
York Electro Panel Control Company and
Systems Control Corporation
Class 1E Electrical Equipment

1.0 SUMMARY

The BVPS-2 Site Quality Control (SQC) group has reported numerous instances of what appear to be poor workmanship in factory-installed wiring of the Main Control Board furnished by York Electro Panel Control Company and control and relay panels furnished by Systems Control Corporation. This equipment was supplied under purchase orders 2BV-311 and 2BV-731, respectively. The instances have been documented on Non-conformance and Disposition Reports prepared by SQC.

2.0 IMMEDIATE ACTION TAKEN

Site inspections were performed on a random basis by SWEC control systems engineers and representatives of York Electro Panel Control Company. Additional inspections were performed by SQC. These inspections confirmed that there are instances of poor workmanship practices and the need for further analysis. Mr. S. D. Hall, Acting Manager of Regulatory Affairs, BVPS-2, notified Mr. Lowell Tripp, NRC Region I Office, of a potential reportable significant deficiency on March 1, 1984.

3.0 DESCRIPTION OF THE PROBLEM

Specific instances reported include:

1. Nicked or broken strands in switchboard wire.
2. Excessive gaps between terminal lugs and wire insulation.
3. Bent lugs.
4. Poor crimping.
5. Tension on conductors and terminal lugs.

4.0 ANALYSIS OF SAFETY IMPLICATION

The observed conditions, without further analysis, have been judged to have the potential to cause an electrical failure during a seismic event. Because the problems noted above were observed on circuits in Class 1E electrical equipment, these problems could affect the capability to safely shutdown the plant in the event of a design basis event.

5.0 CORRECTIVE ACTION TO REMEDY THE PROBLEM

Inspections will be performed and any deficiencies noted during the inspections will be analyzed and, if necessary, repaired to assure that the functional integrity of the equipment is maintained.

6.0 ADDITIONAL REPORTS

An additional report will be issued by July 8, 1985.