



Duquesne Light

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February 21, 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
Gould 480 V Motor Control Centers
Significant Deficiency Report No. 84-02, Interim Report

Gentlemen:

This Interim Report is in reference to the potentially reportable Significant Deficiency relating to the wiring workmanship on two Gould 480 V Motor Control Centers. An evaluation is currently underway to determine the reportability and impact of this problem for BV-2. Pursuant to the requirements of 10CFR50.55(e), it is anticipated that a subsequent report on this matter will be submitted to Region I by July 1, 1985.

DUQUESNE LIGHT COMPANY

By

E. J. Woolever
Vice President

JS/wjs
Attachment

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

SUBSCRIBED AND SWORN TO BEFORE ME THIS
21st DAY OF February, 1984.

Notary Public

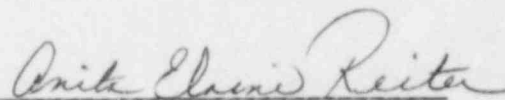
ANITA ELAINE REITER, NOTARY PUBLIC
ROBINSON TOWNSHIP, ALLEGHENY COUNTY
MY COMMISSION EXPIRES OCTOBER 20, 1986

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COMMONWEALTH OF PENNSYLVANIA)
) SS:
COUNTY OF ALLEGHENY)

On this 21st day of February, 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.



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

Report on Potential Significant Deficiency No. 84-02
480V Motor Control Centers

1. SUMMARY

The BVPS-2 Site Quality Control (SQC) group has reported instances of what appear to be poor workmanship practices found in factory installed wiring in the Class 1E 4160V switchgear and 480V unit substations furnished by Brown Boveri (BB) and the 480V motor control center (MCC) furnished by Gould. This equipment was supplied under purchase orders 2BV-304, 2BV-307, and 2BV-310, respectively. The instances have been recorded in several Nonconformance and Disposition Reports and other limited cursory inspections that have been prepared by SQC.

2. IMMEDIATE ACTION TAKEN

Site inspections of the 4160V switchgear, the 480V unit substations, and the 480V MCC's were conducted on a random basis by the SWEC equipment specialist and a BB representative. These inspections confirmed that the equipment did exhibit instances of poor workmanship practices and also confirmed the need for further analysis.

3. DESCRIPTION OF THE PROBLEMS

Specific instances reported include:

1. Gouged, cut, or chafed insulation on switchboard wire.
2. Conductor strands not captured in terminal lug barrel.
3. Broken or nicked conductor strands in switchboard wire.
4. Taunt power cable connections from the power stabs to the line terminals of the breakers installed in the MCC's.

4. ANALYSIS OF SAFETY IMPLICATIONS

The observed conditions, without further analysis, have been judged to have a potential to cause an electrical failure of the equipment during a seismic event.

Because the problems noted above were observed on redundant switchgear, unit substation, and MCC's, and because this equipment provides power for the majority of the plant's safety related systems, the problems described above could result in the loss of plant capability to safely shut down.

5. CORRECTIVE ACTION TO REMEDY DEFICIENCY

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. ADDITIONAL REPORTS

An additional report will be issued by July 1, 1985.