Duquesne Light

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July 18, 1983

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
Status of Main Control Board
Significant Deficiency Report No. 83-05, Interim Report

Gentlemen:

This Interim Report is in reference to the Main Control Board installation details. The Nuclear Regulatory Commission was notified by Duquesne Light Company on June 15, 1983, of this potential significant deficiency. The evaluation of the integrity of the Main Control Board as installed is currently under review. Pursuant to the requirements of 10CFR 50.55(e), it is anticipated that a subsequent report on this matter will be issued to Region I by September 9, 1983.

An extension was requested on July 15, 1983, to submit this report by July 18, 1983. The request was made to Mr. Lowell Tripp of Region I of the NRC via a phone call, and he found this extension acceptable.

DUQUESNE LIGHT COMPANY

By E. J. Woolever
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
18th DAY OF July, 1983.

Elva G. Lesondak
Notary Public

ELVA G. LESONDAK, 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 18th day of July, 1983, 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.

Elva G. Lesondak
Notary Public

ELVA G. LESONDAK, 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 of the
Main Control Board Seismic Mounting Details

1.0 SUMMARY

The as-installed mounting/hold-down details for the main control boards (MCB's) are not consistent with the approved seismic qualification documentation.

2.0 IMMEDIATE ACTION TAKEN

Mr. S. D. Hall of Duquesne Light Company reported this potential 10CFR 50.55(e) to Mr. Lowell Tripp of the NRC, Region I office on June 16, 1983. An engineering evaluation of the as-built condition of the MCBs' hold-down details has been initiated to identify whether the welds and welding details utilized are acceptable.

3.0 DESCRIPTION OF THE DEFICIENCY

The MCB's, which are presently installed on site, were originally tested at Wyle Laboratories in September 1977. The mounting/hold-down details utilized to attach the MCB's to the seismic test table were standard stitch welds using 1/4-inch fillet welds. This hold-down method was transferred to the SWEC electrical drawing no. 12241 RE27N Issue 1.

Due to numerous interferences with the structural embedments encountered during installation of the MCB's, a shimming detail was required. The shimming detail was added to the drawing (RE27N-1B). However, the original number and locations of welds were apparently abandoned for a lesser number due to the numerous interferences existing at the time. As a result, the present number of welds is significantly less than those identified in the approved Wyle test report.

4.0 ANALYSIS OF SAFETY IMPLICATION

If the MCBs' hold-down welds were to fail during a seismic event, a potential exists for cutting safety-related cable or disabling safety-related electrical equipment. After the engineering evaluation of the MCBs' hold-down welds is completed, the safety implications, if any, will be addressed.

5.0 CORRECTIVE ACTION TO REMEDY DEFICIENCIES

The corrective action to be taken, if any, will be initiated after the engineering evaluation noted in Section 2 of this report is completed.

6.0 ADDITIONAL REPORTS

The results of the engineering analysis of the as-built condition of the welds is expected to be available by August 15, 1983. An additional report on this issue will be submitted by September 9, 1983.