

APR 01 1992

Docket Nos. 50-334
50-412

Mr. J. D. Sieber
Vice President
Nuclear Group
Duquesne Light Company
Post Office Box 4
Shippingport, Pennsylvania 15077

Dear Mr. Sieber:

Subject: Electrical Distribution System Functional Inspection of Beaver Valley 1&2,
Combined Report Nos. 50-334/91-80 and 50-412/91-80

This letter transmits the report of the team inspection conducted by Mr. A. L. Della Greca and other NRC and contractor personnel, from November 6 to December 6, 1991, at the Beaver Valley Power Station, Units 1 and 2, (BV1 and BV2) in Shippingport, Pennsylvania. Mr. Della Greca discussed the findings of the inspection with you and other members of Duquesne Light Company, on December 6, 1991.

The purpose of the inspection was to determine if the electrical distribution system was capable of performing its intended safety functions, as designed, installed and configured. Within these areas, the inspection focused on issues important to public health and safety, and consisted of selective examinations of electrical distribution system design calculations, relevant procedures and representative records, installed equipment, interviews with personnel, and observations by the inspectors. Areas examined during this inspection are discussed in the enclosed Inspection Report.

The team concluded that, for the areas inspected, the design implementation of the electrical distribution system at BV1 and BV2 was acceptable. However, several design weaknesses and areas of concern were identified. Areas of particular concern were: the operation of the auxiliary feedwater pumps under design basis accident conditions; the dynamic capability of the diesel generators to accept accident loads; the sizing of the cables in 4 kV applications; and the availability of documents to support the Unit 1 design.

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Mr. J. D. Sieber

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Two of your activities, pertaining to the timely disposition of identified deficiencies, appeared to be in violation of NRC requirements, as set forth in the Notice of Violation, enclosed herewith as Appendix A. In addition, installation of the river water valves appeared to deviate from the FSAR commitment, as specified in the Notice of Deviation, enclosed herewith as Appendix B. The violations have been categorized by severity level in accordance with the General Statement of Policy and Procedure for NRC Enforcement Actions, 10 CFR Part 2, Appendix C. You are required to respond to the Notice of Violation and, in preparing your response, you should follow the instruction in Appendix A.

The team also observed a number of strengths, particularly in the technical capabilities of the engineering staff. Another notable strength was the Duquesne Light Company initiative to perform a review of the BVI electrical distribution system functionality.

With regard to the unresolved issues identified to you at the exit meeting, we request that you provide us with a schedule for their resolution within 60 days from the date of receipt of this letter.

Your cooperation with us in this matter is appreciated.

Sincerely,

ORIGINAL SIGNED BY
WAYNE D. LANNING

Marvin W. Hodges, Director
Division of Reactor Safety

Enclosures:

1. NRC Combined Inspection Report Nos. 50-334/91-80 and 50-412/91-80
2. NRC Notice of Violation, Appendix A
3. NRC Notice of Deviation, Appendix B

cc w/encl:

G. S. Thomas, General Manager, Corporate Nuclear Services
N. R. Tonet, Manager, Nuclear Safety
T. P. Noonan, General Manager, Nuclear Operations
K. D. Grada, Manager, Quality Service Unit
H. R. Caldwell, General Superintendent, Nuclear Operations
K. Abraham, PAO (2)
Public Document Room (PDR)
Local Public Document Room (LPDR)
Nuclear Safety Information Center (NSIC)
NRC Resident Inspector
Commonwealth of Pennsylvania

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Mr. J. D. Sieber

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bcc w/encl:

Region 1 Docket Room (with concurrences)

Management Assistant, DRMA (w/o encl)

DRS SALP Coordinator

W. Ruland, DRP

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R. Lobel, OEDO

W. Lanning, DRS

bcc w/Report Cover Sheet & Executive Summary Only:

C. Hehl, DRP

J. Wiggins, DRP

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J. Stolz, NRR/PD 1-4cc w/encl:

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