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August 19, 1985

United States Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Mr. George W. Knighton, Chief
Licensing Branch 3
Office of Nuclear Reactor Regulation

SUBJECT: Beaver Valley Power Station - Unit No. 2
Docket No. 50-412
Valve Stem Leak Collection System

Gentlemen:

As discussed in the Duquesne Light Company (DLC) comments on the Final Environmental Statement Construction Permit Stage dated July 1973, DLC committed to install a "leak collection system" on all main steam valves 2-1/2 inches and larger and all auxiliary steam valves 8 inches and larger in the turbine building. DLC has reviewed this commitment and has determined that this "leak collection system" is not required to limit the non-accident offsite dose to a value below that associated with 10CFR50, Appendix I subsection RM-50-2.

As discussed in the BVPS-2 Environmental Report-Operating License Stage Section 5.2 and indicated in Final Safety Analysis Report-Operating Licensing Stage Table 11.3-6, the BVPS-2 turbine building releases were calculated based on a leakage rate of 1700 lbs/hr. This leakage rate is based on NUREG 0017, "Calculation of Releases of Radioactive Materials in Gaseous and Liquid Effluents from Pressurized Water Reactors," which indicates the gaseous source term related to turbine building releases may be evaluated based on a leakage rate of 1700 lbs/hr, unless special design features are provided to reduce leakage from steam line valves on lines 2-1/2 inches in diameter or larger, in which case a leakage rate of 340 lbs/day is acceptable.

Since the doses associated with this leakage (1,700 lbs/hr) are less than RM-50-2 criteria without taking credit for the leak collection system, and because the presence of this system will complicate maintenance throughout the operating life of the plant, DLC is proposing to revise its commitment to delete the leak collection system.

Your concurrence is requested within 60 days in order to incorporate this change in the BVPS-2 construction schedule, at which time the FSAR (Table 11.3-6) will be revised. In addition to the NUREG 0017 analysis, DLC is installing a Digital Radiation Monitoring System designed to detect radiation in selected process streams and effluents throughout BVPS-2 (FSAR Section 11.5).

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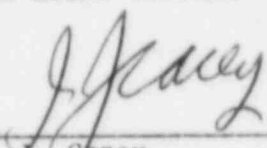
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If you have any questions, please contact Mr. T. J. Zoglmann at (412)
787-5141.

DUQUESNE LIGHT COMPANY

By

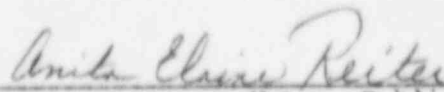

J. J. Carey
Vice President

TJZ/wjs

cc: Mr. B. K. Singh, Project Manager
Mr. G. Walton, NRC Resident Inspector

COMMONWEALTH OF PENNSYLVANIA)
) SS:
COUNTY OF ALLEGHENY)

On this 19th day of August, 1985, before me, a
Notary Public in and for said Commonwealth and County, personally appeared
J. J. Carey, 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