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DEC 02 1983

Docket No.: 50-412

Mr. Earl J. Woolever
Vice President, Nuclear Construction
Duquesne Light Company
Robinson Plaza Building No. 2, Suite 210
PA Route 60
Pittsburgh, Pennsylvania 15205

Dear Mr. Woolever:

Subject: Beaver Valley Unit 2 Environmental Review Requests for Additional Information

On May 18, 1983, your application of an operating license for Beaver Valley Power Station, Unit 2 (BVPS-2) was docketed. The NRC staff is currently reviewing your application, including the Environmental Report-Operating License Stage (ER-OL).

During the course of our review of your ER-OL the enclosed "Requests for Additional Information", from the Accident Evaluation Branch (Enclosure 1) were generated. To maintain a workable review schedule, your responses to these requests should be submitted to the NRC by February 24, 1984.

Should you have any questions concerning the enclosed requests please contact the Licensing Project Manager, Lisamarie Lazo (301) 492-7791.

Sincerely,

Original signed by:
George W. Knighton

George W. Knighton, Chief
Licensing Branch No. 3
Division of Licensing

Enclosures:
As stated

cc: See next page

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REQUEST FOR ADDITIONAL INFORMATION
ACCIDENT EVALUATION BRANCH

E450.1 While you have tried to follow the staff's approach to and the structure of presentation of the results of such analyses in several DES/FESs persuant to the Statement of Interim Policy (Federal Register, June 13, 1983),

a) Your use of the population data for the year 1980, instead of the data for the plant mid-life year, is inconsistent with the staff's practice. Please provide basis for your selection of this population data; and

b) Information regarding the following items are absent in ER-OL:

i. Risk estimates to an individual of early fatality as a function of distance or as isopleths,

ii. Probability distribution and risk estimates of thyroid cancer fatalities,

iii. Estimated person-rem and cancer fatalities (excluding thyroid, and thyroid only) CCDFs and risks within the 50-mi region,

iv. Estimated distributions of number of persons exposed above 25 rems to whole-body, 300 rems to thyroid, and 200 rems to total bone marrow from early exposure, and

v. Estimated economic cost of damage to the plant.

Either provide this information, or a justification why such information is unnecessary in support of your Environmental Report.

E450.2 As Stated in Section 7A.2, the estimates of early fatalities in ER-OL were made with the assumption of supportive medical treatment. Please discuss this basis for this assumption, including the availability of such medical treatment to all persons requiring the treatment subsequent to acute radiological exposure resulting from severe accidents in the BVPS-2 reactor.