



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

JUN 25 1980

Docket Nos. 50-463  
and 50-464

Philadelphia Electric Company  
ATTN: Mr. J. L. Everett, President  
2301 Market Street  
Philadelphia, Pennsylvania 19101

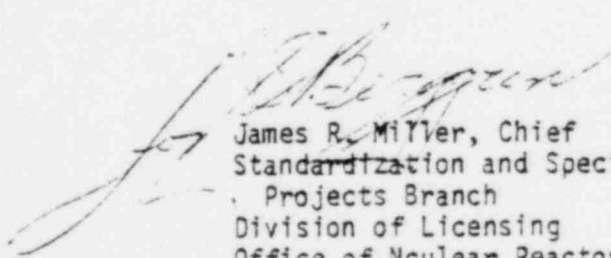
Gentlemen:

On December 29, 1978, the application of Philadelphia Electric Company to construct a nuclear power plant at the Fulton Site was amended to seek only an adjudicatory early site suitability review. The NRC staff considered the amended application and informally advised Mr. George Hunger of your staff early in 1979 that the application was not acceptable to docket because of deficiencies in the discussion of alternative sites and thus the staff did not initiate a detailed review.

In order for your application for an early site review to be acceptable for docketing, the discussion of alternative sites should be expanded in accordance with the new guidance set forth in the Proposed Rule on Alternative Site Reviews (45 F.R. 24168, April 9, 1980). The principal defect in the submittal is that the selected region of interest fails to meet diversity criteria as set forth in the rule. The staff also needs responses to other questions on alternative sites listed in the enclosure.

In the event that you wish to pursue your early site suitability review application to docketing, we require that you provide responses to the questions concerning alternative sites provided in the enclosure. If you intend to pursue your application, please advise me of your schedule for submitting the required information.

Sincerely,

  
James R. Miller, Chief  
Standardization and Special  
Projects Branch  
Division of Licensing  
Office of Nuclear Reactor Regulation

Enclosure: Questions

cc: See attached sheet

8007110274 A

Philadelphic Electric Company

cc: Mr. Hugh K. Clark, Chairman  
P. O. Box 127A  
Kennedyville, MD 21645

Dr. Donald P. deSylva  
Associate Professor of Marine  
Science  
Rosentiel School of Marine and  
Atmospheric Science  
University of Miami  
Miami, FL 33149

Mr. Gustave A. Linenberger  
Atomic Safety and Licensing Board  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Lawrence Sager, Esq.  
Sager & Sager Associates  
45 High Street  
Pottstown, PA 19464

York Committee for a Safe  
Environment  
Dr. Chauncey R. Kepford  
433 Orlando Avenue  
State College, PA 16801

Eugene J. Bradley, Esq.  
Philadelphia Electric Company  
2301 Market Street  
Philadelphia, PA 19101

Dr. A. Dixon Callihan  
Union Carbide Corporation  
P. O. Box Y  
Oak Ridge, TN 37830

Donald P. Irwin, Esq.  
Michael W. Maupin, Esq.  
George C. Freeman, Jr., Esq.  
Hunton & Williams  
P. O. Box 1535  
Richmond, VA 23212

W. Jeffrey Sidebottom, Esq.  
Barley, Snyder, Cooper & Barber  
115 East King Street  
Lancaster, PA 17602

Gilbert G. Malone, Esq.  
Ports, Beers, Feldmann & Malone  
145 East Market Street  
York, PA 17401

Theodore A. Adler, Esq.  
Widoff, Reager, Selkowitz  
& Adler  
P. O. Box 1547  
Harrisburg, PA 17105

Edward F. Lawson, Esq.  
Special Assistant Attorney General  
Department of Natural Resources  
Tawes State Office Building  
Annapolis, MD 21401

Executive Director  
Susquehanna River Basin  
Commission  
1721 N. Front Street  
Harrisburg, PA 17102

George L. Boomsma  
Save Solanco Environment  
Conservation Fund  
P. O. Box 64  
Quarryville, PA 17566

James A. Humphreys, III  
Barley, Snyder, Cooper & Barber  
115 E. King Street  
Lancaster, PA 17602

Mr. Walden S. Randall  
Riverhill Farm  
R.D. #2  
Holtwood, PA 17532

Jean Royer Kohr, Esq.  
Minney, Mecum & Kohr  
150 E. Chestnut Street  
Lancaster, PA 17602

Atomic Safety and Licensing Board Panel  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Atomic Safety and Licensing Appeal Panel  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

## ENCLOSURE

### QUESTIONS REGARDING ALTERNATIVE SITES

1. According to the Proposed Rule, Section V, 3 (FR 45; 24168, April 9, 1980), the region of interest should be chosen so as to provide a diversity of water sources. This criterion could be met by expanding the proposed region of interest about 30 miles to the east and south to include the coastal areas of Delaware Bay and the Atlantic Ocean. Potential sites near these water sources should be included in the alternative site review.
2. The alternative site review should include consideration of placing additional reactor units at existing reactor sites, for example, at Hope Creek, Salem, Summit and Peach Bottom. Review these alternatives according to the procedures described in the Proposed Rule.
3. The discussion in the ESER of alternative sites along the Susquehanna is too brief to permit the staff to independently evaluate their candidacy. These sites include Michael's Run, Peach Bottom, Broad Creek, Berkeley, Erb's Mill, Fishing Creek, Muddy Run and Conowingo Creek. More detail should be provided for each site, using all of the criteria listed in the Proposed Rule, Section VI, 2.
4. Explain why the transmission line corridor shown in Figure 9.2-2 of the ER passing near the Tohickon site and labelled, "To Branchburg Public Service Electric and Gas Co.", cannot be used for a plant at Tohickon or at other nearby possible alternative sites: New Hope and Washington's Crossing. How would this affect transmission costs?
5. Explain the problems of using make-up water for the Chester County or Ranch sites from the proposed Mason-Dixon pipeline. Are there uncertainties regarding construction of the pipeline or possible use of the water?
6. For several potential sites (Seneca Point, Pine Forge, New Hope and Washington's Crossing), the discussions were conclusory rather than evidentiary. Provide the detail according to all of the criteria listed in the Proposed Rule, Section VI, 2, backing up the conclusions drawn. (For example, explain what is meant by "unsuitable topography", "extensive shoreline erosion", order of magnitude of "high" transmission costs, why the Schuylkill River is not a reliable water source for Pine Forge, and approximate dollar estimates of extra costs for the New Hope site.)
7. Explain why some of the alternative sites for the previously proposed Perryman nuclear plant (Evaluation of Alternative Sites - Perryman Early Site Review, NRC, November 1977) were not included in the consideration

of alternative sites for the Fulton plant. Some of these sites are within the region of interest (See Figure A.5, Page A-9 of the Perryman evaluation).

8. Provide updated information on the availability of the Bainbridge site for power plant development.
9. How does the Region of Interest selected by the applicant relate to the power pool region and electrical reliability council region with which the applicant is associated? Identify any deficient power areas within the region of interest.
10. Demonstrate, using available reconnaissance level information in accordance with the guidance in the Proposed Rule, why the 49 pond-lake sites were eliminated as candidate sites.