

September 18, 2007

Mr. Britt T. McKinney  
Sr. Vice President and Chief Nuclear Officer  
PPL Susquehanna, LLC  
769 Salem Blvd., NUCSB3  
Berwick, PA 18603-0467

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE  
SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2, LICENSE  
RENEWAL APPLICATION

Dear Mr. McKinney:

By letter dated September 13, 2006, PPL Susquehanna, LLC submitted an application pursuant to 10 CFR Part 54, to renew the operating licenses for Susquehanna Steam Electric Station, Units 1 and 2, for review by the U.S. Nuclear Regulatory Commission (NRC or the staff). The staff is reviewing the information contained in the license renewal application and has identified, in the enclosure, areas where additional information is needed to complete the review.

This request for additional information was discussed with Duane Filchner, and a mutually agreeable date for the response is within 30 days from the date of this letter. If you have any questions, please contact me at 301-415-4029 or via e-mail [ehg2@nrc.gov](mailto:ehg2@nrc.gov).

Sincerely,

*/RA/*

Evelyn Gettys, Project Manager  
License Renewal Branch A  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket Nos. 50-387 and 50-388

Enclosure:  
Request for Additional Information

cc w/encl: See next page

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**SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2  
LICENSE RENEWAL APPLICATION  
REQUEST FOR ADDITIONAL INFORMATION (RAI)**

**RAI 4.7.1-1** The applicant stated that 40 years of operation would increase steam flow rate by no more than 5 percent, and an additional 20 years of operation could be linearly extrapolated for a total increase in steam flow (and therefore dose) of 7.5 percent.

- a. Discuss the basis for assuming an erosion rate of 0.004 inches per year, and if this will be applicable for the term of extended operation. Include whether this is a conservative, realistic, or non-conservative assumption.
- b. Provide a copy of a calculation that demonstrates the acceptability of the main steam flow restrictors for the license renewal period. Include descriptions of all relevant parameters and provide the basis and justification for all assumptions.

Enclosure

Letter to B. McKinney from E. Gettys dated September 18, 2007

**DISTRIBUTION:**

**SUBJECT:** REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE  
SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2, LICENSE  
RENEWAL APPLICATION

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RGuzman

BRogers

EGettys

Susquehanna Steam Electric Station,  
Units 1 and 2

cc:

Cornelius J. Gannon  
Vice President - Nuclear Operations  
PPL Susquehanna, LLC  
769 Salem Blvd., NUCSB3  
Berwick, PA 18603-0467

Robert M. Paley  
General Manager - Plant Support  
PPL Susquehanna, LLC  
769 Salem Blvd., NUCSB2  
Berwick, PA 18603-0467

Rocco R. Sgarro  
Manager - Nuclear Regulatory Affairs  
PPL Susquehanna, LLC  
Two North Ninth Street, GENPL4  
Allentown, PA 18101-1179

Walter E. Morrissey  
Supervising Engineer  
Nuclear Regulatory Affairs  
PPL Susquehanna, LLC  
769 Salem Blvd., NUCSA4  
Berwick, PA 18603-0467

Michael H. Crowthers  
Supervising Engineer  
Nuclear Regulatory Affairs  
PPL Susquehanna, LLC  
Two North Ninth Street, GENPL4  
Allentown, PA 18101-1179

Ronald E. Smith  
General Manager - Site Preparedness  
and Services  
PPL Susquehanna, LLC  
769 Salem Blvd., NUCSA4  
Berwick, PA 18603-0467

Steven M. Cook  
Manager - Quality Assurance  
PPL Susquehanna, LLC  
769 Salem Blvd., NUCSB2  
Berwick, PA 18603-0467

Luis A. Ramos  
Community Relations Manager,  
Susquehanna  
PPL Susquehanna, LLC  
634 Salem Blvd., SSO  
Berwick, PA 18603-0467

Bryan A. Snapp, Esq.  
Associate General Counsel  
PPL Services Corporation  
Two North Ninth Street, GENTW3  
Allentown, PA 18101-1179

Supervisor - Document Control Services  
PPL Susquehanna, LLC  
Two North Ninth Street, GENPL4  
Allentown, PA 18101-1179

Richard W. Osborne  
Allegheny Electric Cooperative, Inc.  
212 Locust Street  
P.O. Box 1266  
Harrisburg, PA 17108-1266

Director, Bureau of Radiation Protection  
Pennsylvania Department of  
Environmental Protection  
Rachel Carson State Office Building  
P.O. Box 8469  
Harrisburg, PA 17105-8469

Senior Resident Inspector  
U.S. Nuclear Regulatory Commission  
P.O. Box 35, NUCSA4  
Berwick, PA 18603-0035

Regional Administrator, Region 1  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

Board of Supervisors  
Salem Township  
P.O. Box 405  
Berwick, PA 18603-0035

Susquehanna Steam Electric Station, -2-  
Units 1 and 2

cc:

Susquehanna Steam Electric Station,     -3-  
Units 1 and 2

cc:

Dr. Judith Johnsrud  
National Energy Committee  
Sierra Club  
443 Orlando Avenue  
State College, PA 16803

Ms. Julie Keys  
Nuclear Energy Institute  
1776 I Street, NW, Suite 400  
Washington, DC 20006-3708