July 13, 2007

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING THE REVIEW OF THE LICENSE RENEWAL APPLICATION FOR SUSQUEHANNA STEAM ELECTRIC STATION UNITS 1 AND 2 (TAC NOS. MD3021 AND MD3022)

Dear Mr. McKinney:

Pursuant to discussion between Drew Stuyvenberg, NRC Environmental Project Manager, and Duane Filchner, PPL Susquehanna, LLC, Regulatory Affairs, NRC is issuing this request for additional information for the purposes of obtaining several items originally requested by NRC during the license renewal environmental site audit. In addition, after completing a review of supplementary and reference information provided by PPL Susquehanna, LLC, NRC staff has identified one additional information need related to the currently operating Units 1 and 2. Enclosed is the staff's request for additional information (RAI). As discussed with Mr. Filchner, we request that you provide your responses to these requests no later than 30 days after the issuance of this letter, in order to maintain the environmental review schedule. If you have any questions, please contact me at (301) 415-4006 or at als3@nrc.gov.

Sincerely,

/RA/

Drew Stuyvenberg, Environmental Project Manager
Environmental Branch B
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No.: 50-387 and 50-388

Enclosure:
As stated

cc w/encl: See next page

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OFFICE	LA:DLR	OGC	PM:DLR:REBB	PM:DLR:REBB	BC:DLR:REBB
NAME	S. Figueroa	S. Uttal (w/ NLO)	J. Davis	D.Stuyvenberg	R. Franovich
DATE	07/10/07	07/13/07	07/13/07	07/13/07	07/13/07

OFFICIAL RECORD COPY

Letter to B. McKinney from D. Stuyvenberg Dated July 13, 2007

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING THE REVIEW OF THE LICENSE RENEWAL APPLICATION FOR SUSQUEHANNA STEAM ELECTRIC STATION UNITS 1 AND 2 (TAC NOS. MD3021 AND MD3022)

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Susquehanna Steam Electric Station
License Renewal Environmental RAIs
July 13, 2007

The NRC issues the following RAIs for items that NRC originally requested during the environmental site audit performed May 15 - 17, 2007 (Part A). In addition, after reviewing supplemental and reference information provided by PPL Susquehanna, LLC, NRC staff have identified one additional information need (Part B) pertaining to the currently operating Units 1 and 2.

A. Items originally requested by NRC staff at the SSES environmental site audit, but converted to RAIs by agreement between Drew Stuyvenberg, NRC Environmental Project Manager, and Duane Filchner, PPL Susquehanna Regulatory Affairs.

1. Please provide the document "Susquehanna Project Land Use (Updated 06/01/07)" and the accompanying narrative description that PPL Susquehanna staff presented to NRC reviewers at the SSES environmental site audit as response XII Land Use, B, to NRC's April 18th, 2007, environmental site audit information request.

2. Please identify the types of non-radiological wastes (wastes classified as hazardous, universal or residual) that the SSES site has produced for each of the past five years. Please provide an accounting of waste quantities by year and waste stream. PPL Susquehanna staff originally showed NRC reviewers this information at the SSES environmental site audit, as response VIII Nonradiological Waste, A, to NRC's April 18th, 2007, environmental site audit information request.

3. Please provide the amounts (by weight) of mixed wastes the SSES site generated over the past 5 years. PPL Susquehanna staff originally showed NRC reviewers this information at the SSES environmental site audit, as response IX Mixed Waste, D, to NRC's April 18th, 2007, environmental site audit information request.

4. Please provide counts of SSES plant employees for each residential county and ZIP code. PPL Susquehanna staff originally showed NRC reviewers this information at the SSES environmental site audit, as part of response XI Socioeconomics, B, to NRC's April 18th, 2007, environmental site audit information request.

5. Please provide a count for the number of visitors who used the Susquehanna Riverlands in each of the past 5 years, as well as a projection of likely future visitors to the Riverlands. Also, describe any measures that Riverlands managers would use to limit environmental impacts associated with this level of usage. PPL Susquehanna staff originally showed NRC reviewers this information at the SSES environmental site audit, as response XIV Terrestrial Ecology, L, to NRC's April 18th, 2007, environmental site audit information request.

6. Please provide the document "Hierarchy of PPL Susquehanna's Environmental Procedures." PPL Susquehanna staff originally showed NRC reviewers this item at the SSES environmental site audit, as response VIII, Nonradiological Waste, H, to NRC's April 18th, 2007, environmental site audit information request.

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7. Please provide a copy of "Intitiative on Groundwater Protection – PPL Susquehanna Action Plan, Revision 0." PPL Susquehanna staff originally showed NRC reviewers this item at the SSES environmental site audit, as response VII, Radiological Protection, F, to NRC's April 18th, 2007, environmental site audit information request.

8. Please provide a site map and narrative indicating which areas of the SSES site have been previously disturbed. This map may be based on Figure 2.1-3 from the SSES License Renewal Environmental Report. NRC staff originally requested this information during the Cultural and Archaeological Resources interview at the environmental site audit on May 15th – 17th, 2007.

9. Please provide a copy of the presentation "Protecting Our Groundwater," subtitled "Information Sharing Session With PA DEP/BRP Personnel, April 24, 2007," presented by Rick Doty, Supervisor, Radiological Services, and requested by NRC reviewers at the environmental site audit on May 15th – 17th, 2007.

10. Please provide a copy of "PPL Susquehanna, LLC Ground Water Monitoring Program: Tritium," as shown to NRC reviewers at the May 15th – 17th, 2007, environmental site audit.

11. Please provide analysis results from Peach Stand Pond sediments, as discussed with NRC reviewers at the May 15th – 17th, 2007, environmental site audit.

B. Request for additional information not otherwise addressed during the environmental site audit:

1. NRC staff notes that SSES' current NPDES permit allows cooling tower blowdown discharge to contain up to 0.2 mg/L chromium. Please indicate the source or sources of chromium in SSES' cooling tower blowdown. Does PPL Susquehanna use any chromium-containing compounds to treat water in its cooling systems? If so, please indicate which systems use chromium compounds, and which compounds the systems use.

Susquehanna Steam Electric Station,
Units 1 and 2

cc:

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