

August 15, 2007

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

SUBJECT: SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2  
(SSES 1 AND 2) - DRAFT ENVIRONMENTAL ASSESSMENT AND FINDING  
OF NO SIGNIFICANT IMPACT RELATED TO PROPOSED EXTENDED  
POWER UPRATE (TAC NOS. MD3309 AND MD3310)

Dear Mr. McKinney:

Enclosed is a copy of the Draft Environmental Assessment and Finding of No Significant Impact related to your application dated October 11, 2006, as supplemented by letters dated October 25, December 4 and 26, 2006, February 13, March 14 and 22, April 13, 17, 23, 26, and 27, May 3, 14, 9, and 21, and June 1, 4, 8, 14, 20, and 27, July 6, 12, 13, 30, 31, and August 3, 2007, for SSES 1 and 2. The proposed amendment would authorize increasing the maximum steady-state reactor core power level from 3489 megawatts thermal (MWt) to 3952 MWt, which is an increase of approximately 13 percent thermal power. The proposed increase in power level is considered an extended power uprate.

The assessment is being forwarded to the Office of the Federal Register for publication. In this regard, the comment period will expire on September 20, 2007.

Sincerely,

*/RA/*

Richard V. Guzman, Senior Project Manager  
Plant Licensing Branch I-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-387 and 50-388

Enclosure:  
Draft Environmental Assessment

cc w/encl: See next page

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\*EA input provided by memo. No substantive changes made.

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