

# Susquehanna River Basin Commission

*a water management agency serving the Susquehanna River Watershed*



April 23, 2008

Mr. Michael P. Gallagher  
Vice President, License Renewal Projects  
AmerGen Energy Company, LLC  
200 Exelon Way  
Kennett Square, PA 19348

Re: Nuclear Regulatory Commission License Renewal Application,  
Three Mile Island Nuclear Station–Unit 1,  
Londonderry Township, Dauphin County, Pennsylvania,  
Commission Docket No. 19950302

Dear Mr. Gallagher:

Susquehanna River Basin Commission (Commission) staff has identified that AmerGen Energy Company, LLC (AmerGen) has recently submitted an application with the Nuclear Regulatory Commission (NRC) for renewal of the operation license of the Three Mile Island Nuclear Station–Unit 1 (TMI-1) located in Londonderry Township, Dauphin County, Pennsylvania, from April 19, 2014 to April 19, 2034. The Commission further understands that AmerGen is undertaking the replacement of the existing steam generators at TMI-1 as a modification necessary in connection with that application.

These activities may subject TMI-1 to Commission review and necessitate a modification to the existing approvals. Commission staff requests that AmerGen provide the Commission with information pertaining to the replacement of the steam generators. Specifically, Commission staff requests that AmerGen respond to the following questions and provide sufficient supporting materials to allow for a conclusive evaluation.

1. Is the new equipment identical to the existing equipment or does it allow for additional generation capacity?
2. How will this replacement affect operation at TMI-1 as it relates to any changes in withdrawal or consumptive water use?
3. Is this replacement integral or interrelated to other replacements or upgrades that are contemplated at TMI-1 that will have the potential to change the withdrawal or consumptive water use in the future?

Additionally, please identify any other changes or modifications that will be necessitated or planned as part of the license renewal for TMI-1 that relate to operational parameters or to the capacity to withdraw, discharge, or consume water. If so, provide sufficient supporting materials for evaluation.

Upon review of the responses and supporting materials, and any additional information obtained by Commission staff, a determination will be made if the activities planned or already undertaken by AmerGen require Commission review and approval pursuant to Commission Regulation 18 CFR Part 806.

Please submit all information to my attention at the Susquehanna River Basin Commission, 1721 North Front Street, Harrisburg, Pennsylvania 17102-2391, or [mbrownell@srbc.net](mailto:mbrownell@srbc.net), and reference Docket No. 19950302. The Commission's *Regulations and Procedures for Review of Projects* and application forms can be accessed at the Commission's website (<http://www.srbc.net>).

Sincerely,



Michael G. Brownell, Chief  
Water Resources Management Division

cc: S. Lopas, NRC  
L. Lund, NRC