

December 12, 2001

Mr. Mark E. Warner
Vice President - TMI Unit 1
AmerGen Energy Company, LLC
P.O. Box 480
Middletown, PA 17057

SUBJECT: THREE MILE ISLAND NUCLEAR STATION, UNIT 1 (TMI-1) - REQUEST FOR
ADDITIONAL INFORMATION (TAC NO. MB3163)

Dear Mr. Warner:

Your letter of August 22, 2001, responding to the U. S. Nuclear Regulatory Commission's (NRC's) request for additional information related to License Amendment Request No. 249, identified that for a few fuel assemblies, the peak rod average power would exceed the 6.3 kw/ft (kilowatts per foot) specified in Regulatory Guide (RG) 1.183, Section 3.2, Table 3, footnote 11 for a few days at the end of TMI-1 Operating Cycles 13 and 14. You indicated that you had performed a bounding assessment of the affect of this condition and concluded that the calculated doses remain well within the limit specified in RG 1.183 and Title 10 of the *Code of Federal Regulations* (10 CFR), Section 50.67. In performing our confirmatory assessment of the affect of this condition on your calculated dose assessment, we have determined that we will need the following information.

Provide gap release fractions estimated for the fuel assemblies exceeding 54 GWD/MTU (gigawatt days per metric ton uranium) burnup and 6.3 kw/ft linear heat generation rate. You may use the simplified method provided in ANSI/ANS Standard 5.4, "Method for Calculating the Fractional Release of Volatile Fission Products from Oxide Fuel," to estimate the worst release fractions using the equilibrium equation given in the standard. An equilibrium release fraction is calculated using the peak fuel rod average temperature plus 200 degrees F at a conservative linear heat generation rate.

We request that you provide the information within 30 days of receipt of this letter. This question was discussed with your staff during a conference call on December 5, 2001. If you have any questions, please contact me at (301) 415-1402.

Sincerely,

/RA/

Timothy G. Colburn, Senior Project Manager, Section 1
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-289

cc w/encl: See next page

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Three Mile Island Nuclear Station, Unit No. 1

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