



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

December 5, 2008

Mr. Charles Pardee
Chief Nuclear Officer
AmerGen Energy Company, LLC
200 Exelon Way, KSA 3-N
Kennett Square, PA 19348

SUBJECT: THREE MILE ISLAND NUCLEAR STATION, UNIT 1 - SUPPLEMENTAL INFORMATION NEEDED FOR ACCEPTANCE OF REQUESTED LICENSING ACTION RE: LICENSE AMENDMENT REQUEST TO ADOPT TECHNICAL SPECIFICATION TASK FORCE TRAVELER, TSTF-490-A, REVISION 0, DELETION OF E BAR DEFINITION AND REVISION TO REACTOR COOLANT SYSTEM SPECIFIC ACTIVITY TECHNICAL SPECIFICATION (TAC NO. ME0100)

Dear Mr. Pardee:

By letter dated November 6, 2008, (Agencywide Documents Access and Management System (ADAMS) Accession Number ML083120122), AmerGen Energy Company, LLC (AmerGen) submitted a license amendment request for Three Mile Island Nuclear Station, Unit 1 (TMI-1). The proposed amendment would replace the current TMI-1 technical specification (TS) limit on Reactor Coolant System (RCS) gross specific activity with a new limit on RCS noble gas specific activity. The noble gas specific activity limit would be based on a new dose equivalent Xe-133 definition that would replace the current E Bar average disintegration energy definition. In addition, the current dose equivalent I-131 definition would be revised to allow the use of additional sources of thyroid dose conversion factors. The purpose of this letter is to provide the results of the U.S. Nuclear Regulatory Commission (NRC) staff's acceptance review of this amendment request. The acceptance review was performed to determine if there is sufficient technical information in scope and depth to allow the NRC staff to complete its technical review. The acceptance review is also intended to identify whether the application has any readily apparent information insufficiencies in its characterization of the regulatory requirements or the licensing basis of the plant.

The NRC staff has reviewed your application and concluded that the information delineated in the enclosure to this letter is necessary for the staff to conclude that the application is acceptable. The NRC staff understands that you have entered the discrepancy described in the enclosure into your corrective action program.

In order to make the application complete, the NRC staff requests that AmerGen supplement the application to address the information requested in the enclosure by December 18, 2008. This will enable the NRC staff to begin its technical review. If information responsive to the NRC staff's request is not received by the above date, the application will not be accepted for review pursuant to 10 CFR 2.101, and the NRC will cease its review activities associated with the application. If the application is accepted for review, you will be advised of any further information needed to support the staff's technical review by separate correspondence.

C. Pardee

- 2 -

The information requested and associated time frame in this letter was discussed with Ms. Wendi Croft of your staff on December 3, 2008.

Please contact me at 301-415-2833, if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Peter Bamford". The signature is written in a cursive style with a large, looped initial 'P'.

Peter Bamford, Project Manager
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-289

Enclosure: As stated

cc: Distribution via Listserv

SUPPLEMENTAL INFORMATION NEEDED

PROPOSED LICENSE AMENDMENT REQUEST REGARDING TSTF-490-A

THREE MILE ISLAND, UNIT 1

DOCKET NO. 50-289

By letter dated November 6, 2008, (Agencywide Documents Access and Management System (ADAMS) Accession Number ML083120122), AmerGen Energy Company, LLC (AmerGen) submitted a license amendment request for Three Mile Island Nuclear Station, Unit 1 (TMI-1). The proposed amendment would replace the current TMI-1 technical specification (TS) limit on Reactor Coolant System (RCS) gross specific activity with a new limit on RCS noble gas specific activity. The noble gas specific activity limit would be based on a new dose equivalent Xe-133 definition that would replace the current E Bar average disintegration energy definition. In addition, the current dose equivalent I-131 definition would be revised to allow the use of additional sources of thyroid dose conversion factors. The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed your application and concluded that the information delineated below is necessary to enable the staff to make an independent assessment regarding the acceptability of the proposed license amendment in terms of regulatory requirements and the protection of public health and safety and the environment.

- 1.) The application dated November 6, 2008, refers to an NRC staff Safety Evaluation (SE), described as reference 1, dated September 27, 2006 (ADAMS Accession No. ML062700612). This document is not publically available. The NRC acknowledges that reference to ADAMS Accession No. ML062700612 was mistakenly contained in the notice of availability of model application for this TS improvement that was published in the *Federal Register* (72 FR 12217). However, since the submittal states that the methodology described in this staff SE was used to develop the proposed changes, it is not clear how this was accomplished. In order to make the application complete, the NRC staff requests that AmerGen supplement the application to provide a corrected reference for the methodology used to develop this proposed TS change as well as a correct reference to the public version of the NRC's SE for this Technical Specification Task Force Traveler.

The information requested and associated time frame in this letter was discussed with Ms. Wendi Croft of your staff on December 3, 2008.

Please contact me at 301-415-2833, if you have any questions.

Sincerely,



Peter Bamford, Project Manager
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

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ADAMS Accession Number: ML083390304

* concurrence via email

OFFICE	LPLI-2/PM	LPLI-2/LA	AADB/BC	LPLI-2/BC
NAME	PBamford	ABaxter *	RTaylor	HChernoff
DATE	12/04/08	12/4/08	12/04/08	12/5/08

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