

February 26, 1997

Mr. Charles M. Dugger
Vice President Operations
Entergy Operations, Inc.
P. O. Box B
Killona, LA 70066

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING THE CHANGE IN TECHNICAL SPECIFICATION REQUIREMENT FOR MODERATOR TEMPERATURE COEFFICIENT AT WATERFORD STEAM ELECTRIC STATION, UNIT 3 (TAC NO. M91296)

Dear Mr. Dugger:

The Nuclear Regulatory Commission (NRC) staff is reviewing your request for changing the requirements to perform a Moderator Temperature Coefficient (MTC) test near the end of cycle submitted by your letter dated December 9, 1994. This request submitted CEN NPSD-911, "Analysis of Moderator Temperature Coefficients in Support of a Change in The Technical Specification End of Cycle Negative MTC Limit", dated May 1993. As discussed in the enclosure, additional information is required from Entergy Operations, Inc., in order for the staff to complete its review.

We request that you provide response within 45 days from the date of this letter. If you have any questions, please call me.

Sincerely,

ORIGINAL SIGNED BY:

NRC FILE CENTER COPY

Chandu P. Patel, Project Manager
Project Directorate IV-1
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Docket No. 50-382

Enclosure: Request for Additional Information

cc w/encl: See next page

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

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Project Directorate IV-1
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

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Mr. Charles M. Dugger
Entergy Operations, Inc.

Waterford 3

cc:

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REQUEST FOR INFORMATION
WATERFORD STEAM ELECTRIC STATION, UNIT 3

Questions on CE NPSD 911 - Analysis of Moderator Temperature Coefficients in Support of a Change in the Technical Specification End of Cycle Negative MTC Limit

1. What methodology is used for calculating MTC?
2. Has this methodology changed since the data analysis presented in the report? If yes, please explain changes and effect of these changes?
3. Is only the methodology referenced in answering question 1 involved or are there more than one methodologies involved?
4. Will Combustion Engineering perform the calculations in all cases or will the utilities perform them in some cases? If utilities perform the calculations, what codes will they be using?
5. Assuming that Combustion Engineering has performed all the calculations, why is there not more data? In addition please supply all additional data obtained since the report was prepared (Update Table 1 to include all data available).
6. In examining the data on Table 1, it appears that there are only a small number of sets (consisting of 3 measurements - a BOC, zero power measurement; a BOC, full power measurement; and a near EOC full power measurement) of data. Why is this the case?
7. From the data in Table 1, there are only 5 cases in which all three measurements fall within the acceptance criteria. Please discuss why this would be sufficient.

ENCLOSURE