May 12, 2000

Mr. Charles M. Dugger
Vice President Operations
Entergy Operations, Inc.
17265 River Road
Killona, LA 70066

SUBJECT: WATERFORD STEAM ELECTRIC STATION, UNIT 3 - REQUEST FOR INFORMATION RELATED TO TECHNICAL SPECIFICATION CHANGE REGARDING CONTAINMENT COOLING SYSTEM LIMITING CONDITION FOR OPERATION (LCO) MODIFICATION (TAC NO. MA7359)

By letter dated October 10, 1999, Entergy Operations, Inc. proposed changes to the Waterford Steam Electric Station, Unit 3, Technical Specification (TS) 3.6.2.2, which would allow the plant to operate with two independent trains of containment cooling, consisting of one fan cooler per train. The existing TS requires two operable fan coolers per train during Modes 1, 2, 3, and 4.

By letter dated April 27, 2000, you stated that as of April 24, 2000, at 10:16 p.m., Waterford 3 did not meet the LCO for TS 3.6.2.2. With one train inoperable, the inoperable train must be restored to an operable status within 72 hours or the plant must be in Hot Standby within the next 6 hours. You requested that the Nuclear Regulatory Commission (NRC) exercise discretion not to enforce compliance with the actions required in the TS 3.6.2.2. On the basis of the staff's evaluation of your request, we concluded that a notice of enforcement discretion (NOED) is warranted because we were satisfied that this action involves minimal or no safety impact, is consistent with the enforcement policy and staff guidance, and has no adverse impact on public health and safety.

On May 1, 2000, we issued the NOED, outlining our intention to exercise discretion not to enforce compliance with TS 3.6.2.2 for the period from 4 weeks after the date of issuance of the NOED, until issuance of a license amendment pursuant to your application dated October 18, 1999, or an outage of sufficient duration occurs to accommodate repair of containment fan cooler "C."

The NRC staff is reviewing the application and has determined that additional information is required to complete the review. On May 8, 2000, we discussed this information with your staff during a conference call. As discussed on the telephone, please provide additional information requested in the enclosure within 10 days of receipt of this letter.

If you have any questions, please call me at (301) 415-1480.

Sincerely,

/RA/

N. Kalyanam, Project Manager, Section 1
Project Directorate IV & Decommissioning
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-382

Enclosure: As stated

cc w/encl: See next page

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ACCESSION NO. ML003726783

OFFICE	PDIV-1/PM	PDIV-1/LA	PDIV-1/SC
NAME	N. Kalyanam	C.Jamerson for D.Johnson	R. Gramm
DATE	05/12/00	05/12/00	05/12/00

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REQUEST FOR ADDITIONAL INFORMATION

WATERFORD STEAM ELECTRIC STATION, UNIT 3

DOCKET NO. 50-382

CONTAINMENT COOLING SYSTEM

TAC NO. MA7359

1. Page 3 - Are any of the "many input and nodalizational" changes that were made to the Appendix K methodology to adapt it to containment (versus core) analysis new for these analyses?

2. Page 4 - What basis justifies using the ANS 1979+2 sigma standard rather than the BTP ASB 9-2 guidance (1.2xANS 1971 standard)? Was this also done for main steam line break (MSLB) analyses.

3. Page 9 - For MSLB analyses, was saturated steam assumed to leave the break? If not, what is the basis for the assumed entrainment?

4. Page 11 - The new MSLB analyses do not explicitly include the measurement uncertainties associated with parameters “specified above.” What is the justification for omitting the uncertainties? Was this also done for other parameters not specified? Were measurement uncertainties omitted for loss-of-coolant accident (LOCA) analyses also? Do the analysis input values for parameters significantly affecting the results bound their as-operated plant values for both MSLB and LOCA? What is the reason for change in component cooling water design temperature from 120 °F to 115 °F?

5. Please provide the comparison curves of containment pressure and temperature versus time for the benchmarking studies of the GOTHIC computer code with the current licensing basis computer code. Provide an explanation for any major differences in values and assumptions.

6. Please provide the containment pressure and temperature versus time curves for the new LOCA and MSLB analyses. Why are the LOCA and MSLB analyses performed at two different power levels?

ENCLOSURE

cc:

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