

Mr. Ross P. Barkhurst
Vice President Operations
Entergy Operations, Inc.
P. O. Box B
Killona, LA 70066

January 16, 1996

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING PROPOSED AMENDMENT TO
ESSENTIAL SERVICES CHILLED WATER SYSTEM TECHNICAL SPECIFICATIONS
(TAC NO. M92427)

Dear Mr. Barkhurst:

By letter dated May 2, 1995, Entergy Operations, Inc., requested an amendment to Technical Specification (TS) 3/4.7.12 for the essential services chilled water system at Waterford Steam Electric Station, Unit 3. The amendment request proposed deletion of surveillance requirements regarding the chilled water outlet temperature and flow rate in each required essential services chilled water loop. The amendment request also proposed deletion of the surveillance testing requirement for the backup essential services chilled water pump and chiller based on the redundant requirements of TS Section 4.0. After a preliminary review, we have determined that you have provided insufficient justification for deletion of the chilled water outlet temperature requirement. We request that you provide additional information as requested in the enclosure within 45 days from receipt of this letter.

This requirement affects nine or fewer respondents and, therefore, is not subject to the Office of Management and Budget review under P.L. 96-511.

Sincerely,

ORIGINAL SIGNED BY:

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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Chandu P. Patel

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Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

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Mr. Ross P. Barkhurst
Entergy Operations, Inc.

Waterford 3

cc:

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REQUEST FOR ADDITIONAL INFORMATION REGARDING A PROPOSED
AMENDMENT TO PLANT TECHNICAL SPECIFICATIONS FOR
THE ESSENTIAL SERVICES CHILLED WATER SYSTEM
WATERFORD STEAM ELECTRIC STATION, UNIT 3
DOCKET NO. 50-382

Part of the design bases for the essential services chilled water system (ESCWS), as described in Section 9.2.9 of the Waterford Steam Electric Station (WSES) Final Safety Analysis Report (FSAR), is that the system supplies 42°F chilled water to all chilled water cooling coils during normal plant operation and to only those chilled water cooling coils serving the essential spaces during design basis accident conditions. In the Technical Specification (TS) change request dated May 2, 1995, Entergy Operations, Inc. (the licensee) proposed deletion of TS 4.7.12.1.b, which requires periodic verification that the chilled water outlet temperature is less than or equal to 42°F. The justifications for deleting this surveillance requirement included the following: (1) the verification of outlet temperature absent accident heat load conditions does not assure the chiller is working at design capacity, (2) the verification of outlet temperature was not included as a surveillance requirement for the essential chilled water system in NUREG-1432, "Standard Technical Specifications, Combustion Engineering Plants," and (3) the monitoring of chiller parameters every shift to verify proper operation of the chiller capacity control subsystem.

Based on the above, the staff requests that the licensee provide the following information:

- (1) Describe the testing that demonstrates that the essential chillers will perform satisfactorily in service with respect to their heat removal function to the degree necessary to show compliance with the test control provisions of the WSES Quality Assurance Program.
- (2) Describe any planned or completed changes to the essential chiller design bases associated with the amendment request that affect the outlet temperature limit or chiller heat removal capability.
- (3) Surveillance Requirement 3.7.12.1 in NUREG-1432 for the control room emergency air temperature control system requires verification of the capability to remove the assumed heat load. The control room air handling units at WSES are essential loads served by the ESCWS, but neither the surveillance requirements applicable to control room heat removal nor the proposed surveillance requirements for the ESCWS include a similar verification of heat removal capability. Since the requirements stated in NUREG-1432 are credited as a basis for the proposed WSES TS change, explain why a test program of this nature is not being proposed as part of the amendment request.

ENCLOSURE