

DOCKETED  
USNRC

SEP 19 PM 3:48

OFFICE OF THE SECRETARY  
BUSINESS AND  
ADJUDICATIONS STAFF

DOCKET NUMBER

PROD. & UTIL. FAC. 50-271-OLA

## OFFICE OF NUCLEAR REACTOR REGULATION

REVIEW STANDARD FOR  
EXTENDED POWER UPRATESAPPROVED BY: /RA/

L. Marsh, Director

Division of Licensing Project Management U.S. NUCLEAR REGULATORY COMMISSION

Office of Nuclear Reactor Regulation In the Matter of Entergy Nuclear Vermont Yankee, L.L.C.Docket No. 50-271 Official Exhibit No. Staff 5

OFFERED by: Applicant/Licensee Intervenor

NRC Staff

Other

IDENTIFIED on 9/13/02 Witness/Panel Ennis et al.Action Taken ADMITTED REJECTED WITHDRAWNReporter/Clerk HACCONTACT: Mohammed A. Shuaibi, NRR  
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DECEMBER 2003

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## MATRIX 12

### SCOPE AND ASSOCIATED TECHNICAL REVIEW GUIDANCE

#### Power Ascension and Testing Plan

Areas of Review	Applicable to	Primary Review Branch	Secondary Review Branches	SRP Section Number	Focus of SRP Usage	Other Guidance	Template Safety Evaluation Section Number		Acceptance Review Checklist
							BWR	BWR	
Power Ascension and Testing	All EPU's	IEPB	EEIB EMCB EMEB IROB SPLB SPSB SRXB	14.2.1* Draft Rev. 0 Dec. 2002	Entire Section		2.12	2.12	

\*The staff is currently finalizing SRP Section 14.2.1. While this SRP Section is being finalized, the staff will continue to use the version issued for interim use and public comment in December 2002. Once finalized, the staff will use the new version.

## **2.12 Power Ascension and Testing Plan**

### **2.12.1 Approach to EPU Power Level and Test Plan**

#### **Regulatory Evaluation**

The purpose of the EPU test program is to demonstrate that SSCs will perform satisfactorily in service at the proposed EPU power level. The test program also provides additional assurance that the plant will continue to operate in accordance with design criteria at EPU conditions. The NRC staff's review included an evaluation of: (1) plans for the initial approach to the proposed maximum licensed thermal power level, including verification of adequate plant performance, (2) transient testing necessary to demonstrate that plant equipment will perform satisfactorily at the proposed increased maximum licensed thermal power level, and (3) the test program's conformance with applicable regulations. The NRC's acceptance criteria for the proposed EPU test program are based on 10 CFR Part 50, Appendix B, Criterion XI, which requires establishment of a test program to demonstrate that SSCs will perform satisfactorily in service. Specific review criteria are contained in SRP Section 14.2.1.

#### **Technical Evaluation**

**[Insert technical evaluation. The technical evaluation should (1) clearly explain why the proposed changes satisfy each of the requirements in the regulatory evaluation and (2) provide a clear link to the conclusions reached by the NRC staff, as documented in the conclusion section.]**

#### **Conclusion**

The staff has reviewed the EPU test program, including plans for the initial approach to the proposed maximum licensed thermal power level, transient testing necessary to demonstrate that plant equipment will perform satisfactorily at the proposed increased maximum licensed thermal power level, and the test program's conformance with applicable regulations. The staff concludes that the proposed EPU test program provides adequate assurance that the plant will operate in accordance with design criteria and that SSCs affected by the proposed EPU, or modified to support the proposed EPU, will perform satisfactorily in service. Further, the staff finds that there is reasonable assurance that the EPU testing program satisfies the requirements of 10 CFR Part 50, Appendix B, Criterion XI. Therefore, the NRC staff finds the proposed EPU test program acceptable.