

YANKEE ATOMIC ELECTRIC COMPANY

Telephone (617) 872-8100
TWX 710-380-7619



1671 Worcester Road, Framingham, Massachusetts 01701

2.C.15.1
FYR 85-102
PC #193

September 30, 1985

United States Nuclear Regulatory Commission
Washington, DC 20555

Attention: Office of Nuclear Reactor Regulation
Reference: (a) License No. DPR-3 (Docket No. 50-29)
Subject: Request for changes to Technical Specifications 2.2.1 and 3.3.2

Dear Sir:

Pursuant to Section 50.59 of the Commission's Rules and Regulations, the Yankee Atomic Electric Company hereby requests the authorization to make the following changes.

PROPOSED CHANGE

Reference is made to the Technical Specifications of License DPR-3. The specific changes are shown in Attachment A. A summary of the proposed changes is given below:

1. We propose to modify Technical Specification 2.2.1, Table 2.2-1 to include an increase in the required setpoint for the main steam line isolation trip from 200 psig to 262.5 psig.
2. We propose to modify Technical Specification 3.3.2, Table 3.3-3 to include an increase in the required setpoint for the main steam line isolation trip from 200 psig to 262.5 psig, in order to remain consistent with 1, above.
3. We propose to modify the Technical Specification bases for the main steam line isolation trip to include the basis for the increased trip setpoint as proposed in 1 and 2, above.

REASON FOR CHANGE

The increase in the main steam line isolation trip setpoint is necessary to ensure that the acceptance criteria for the Safe Shutdown System are met for a seismic event.

8510070309 850930
PDR ADOCK 05000029
P PDR

Rec'd wkHecK #150.00
#90752

Acc'd
1/1

BASIS FOR CHANGE

The proposed new main steam line isolation trip setpoint was based on plant response analyses performed with the RETRAN-02 computer code. The analyses showed that a 250 psig trip setpoint provided sufficient time for the operators to activate the Safe Shutdown System prior to the dry out of the steam generators following the assumed seismically induced failure of the main steam lines.

Including an appropriate allowance for instrument error above the 250 psig main steam line isolation trip setpoint assumed in the analyses, the Technical Specification limit should be increased to 262.5 psig.

SAFETY CONSIDERATIONS

The significant hazards consideration is based on the guidance provided by example in 48CFR14870. The changes described herein are classified according to the following example of action involving no significant hazards:

"A change that constitutes an additional limitation, restriction, or control not presently included in the Technical Specifications: for example, a more stringent surveillance requirement."

This change does not result in any increase to the probability or consequences of a previously analyzed accident, or reduce in any way a safety margin. The more stringent requirement on the main steam line isolation trip will enhance somewhat the plant response to a main steam line break transient. In addition, the new setpoint will ensure the availability of a secondary system heat sink following a seismic event, until the Safe Shutdown System is available to provide feedwater to the steam generators.

Based on the consideration contained herein, it is concluded that there is reasonable assurance that operation of the Yankee plant consistent with the proposed Technical Specifications will not endanger the health and safety of the public. This proposed change has been reviewed by the Nuclear Safety Audit and Review Committee.

FEE

An application fee of \$150.00 is enclosed in accordance with 10CFR170.21.

September 30, 1985
Page 3

A. Soucy Notary Public
My Commission Expires 01/29/91

My Commission Expires

8/29/91