S/G LOW LEVEL SETPOINT

CR 85-201

I. PURPOSE

A. Reduce possibility of actuating SFRCS on 26.5 in. low level trip.

II. DESCRIPTION

A. Increase low level setpoint to 40 inches.

1. Raises power level at which Tave reaches 582 degrees F to approximately 28.5%.

B. Change the integrated master control low limit from 25% to 28.5%.

1. Cause the "Limited S/G Rx demand to Rx control" signal to be above 28.5%.

C. Change the low limit in the Rx control from 20% to 23.5%.

1. Prevent Tave control from driving the Rx demand signal below 23.5%.

III. SUMMARY

A. This change raises the OTSG low level control setpoint in the Integrated Control System (ICS) from 35" to 40" on the startup OTSG level measurement

B. This change requires no ICS hardware change

C. Changes the operating primary temperature profiles versus load for the NSS

D. Effects the Post trip response of the NSS

1. Results in a slightly increased rate of heat transfer from Primary to Secondary

2. Results in slightly greater outsurge from the pressurizer