

SAFETY EVALUATION
DIABLO CANYON UNIT 1

14.0 INITIAL TEST PROGRAM

In a letter from J. O. Schuyler to D. G. Eisenhut dated August 19, 1983, the licensee requested NRC approval for changes to the startup test program described in FSAR Chapter 14. NRC approval of startup test program changes is required by paragraph 2.C(3)a of the Facility Operating License.

Change No. 1 would delete the "Reactor Coolant Chemistry" startup test. The licensee states that similar testing was performed during preoperational testing. This change is acceptable based on accomplishment of the test objectives.

Change No. 2 would revise the "Nuclear Design Check" startup test to expand the objectives to include zero power flux distribution testing at various control rod configurations. This change is consistent with RG 1.68, Appendix A.4.e, and is acceptable.

Change No. 3 would revise the "Power Reactivity Coefficient and Integral Power Defect Measurements During Power Level Increase" startup test to include a Doppler Temperature Coefficient measurement in lieu of a Power Reactivity Coefficient measurement. Due to inaccuracies involved in the test method for direct measurement of power coefficient, the revised test provides a more accurate verification of the actual power coefficient. This change would be consistent with NSSS vendor recommendations and is acceptable.

Change No. 4 would delete the "Steam Generator Water Level Control" startup test as a separate test, and include it as part of the "Automatic Controls Systems Checkout" test. Since no test objectives would be eliminated, this change is acceptable.

Change No. 5 would delete from the FSAR, the "Main and Reheat Steam System" test. The licensee states that this testing will be accomplished during

8405150061-840419
PDR: ADOCK 05000275
P PDR

"baseline performance" testing of the secondary plant. Also, FSAR Table 14.1-2 states that the steam dump control system and turbine control system will be tested during the Automatic Control Systems Checkout. Since adequate testing will be performed in conjunction with other tests, this change is acceptable.

Change No. 6 would revise the sequence and power levels of various startup tests in accordance with the NSSS vendor's philosophy. Based on continued conformance with RG 1.68, these changes are acceptable.

In summary, the staff concludes that the FSAR Chapter 14 changes requested by the licensee's August 19, 1983 letter are acceptable.

