

TABLE 14.3-1

TESTS PERFORMED PRIOR TO INITIAL CRITICALITY

<u>System Tests</u>	<u>Test Objectives</u>
1. Reactor Coolant System Leakage Test	To verify proper sealing of reactor vessel closure head after fuel load.
2. RTD Bypass Loop Flow Verification	To measure flow and verify acceptable transport times.
3. Reactor Coolant Flow Coastdown	To measure flow rate changes and associated delay times subsequent to various pump stops.
4. Pressurizer Spray and Heater Capability and Continuous Spray Flow Setting	To verify pressurizer effectiveness and establish continuous spray flow rate.
5. Reactor Coolant System Flow Measurement	To interrelate pump input power and loop P as measurement of actual RCS flow rate.
6. Rod Position Indication System	Prior to core loading, test signals were used to check the system response and verify correct indicating and control functions. After fuel loading and after the position indication coils were installed, a calibration and complete operational check was performed by operating individual control rod drive mechanisms.
7. Rod Drive Mechanism	To verify the proper timing of each Rod Control System slave cycler and conduct an operational check of each full length mechanism with RCCA attached.
8. Rod Drop Time Measurement	To determine drop time of full length rods under full flow, no flow, cold and hot conditions.
9. Rod Control System Operation	To demonstrate that system satisfactorily performs the required control and indication

TABLE 14.3-1 (Cont)

<u>System Tests</u>	<u>Test Objectives</u>
10. Part Length Rod Mechanism Brake Test	functions to verify ready for initial criticality.
11. In-Core Flux Mapping System	To verify proper operation of brake arms in each part length mechanism.
	To verify proper operation of the in-core movable detectors.