PWR SIMULATOR

REAL TIME TEST

I. OBJECTIVE

The purpose of this procedure is to verify that the simulator is capable of operating in real time as required by ANSI/ANS 3.5-1985 "Nuclear Power Plant Simulator's for Use in Operator Training."

II. REFERENCES

1. ANSI/ANS 3.5-1985: Nuclear Power Plant Simulator's for Use in Operator Training.

2. Reg Guide 1.149: Nuclear Power Plant Simulation Facilities for Use in Operator License Examinations.

3. PWR Operations Guideline #12: Simulator Testing Program.

III. INITIAL CONDITIONS

1. The plant is at zero power, normal operating pressure and no-load temperature.

IV. DATA COLLECTION

1. See test instructions, step 5.

V. TEST INSTRUCTIONS

1. Initialize at a zero power, normal operating pressure, no-load temperature condition (IC-7).

2. Verify/withdraw the shutdown banks.

3. Verify/place rod control in manual.

4. Using a stopwatch, time the interval between Control Bank A at 0 steps until Control Bank A reaches 228 steps.

5. Record the time from Step 4. _____ seconds

VI. ACCEPTANCE CRITERIA

1. The simulator shall take 285 seconds $\pm$ 1 second to move Control Bank A from 0 steps to 228 steps.