

STARTUP TEST PROCEDURE 12

APRM CALIBRATION

1. PURPOSE

- A. The purpose of this test is to calibrate the Average Power Range Monitor (APRM) system.

2. CRITERIA

A. Level 1

- 1. The APRM channels must be calibrated to read greater than or equal to the actual core thermal power. However, recalibration of the APRM system will not be necessary from safety considerations if at least two APRM channels per RPS trip circuit have readings greater than or equal to actual core thermal power.
- 2. The APRM scram and rod block setpoints shall be set no higher than the limits specified in the Technical Specifications and the fuel warranty document.
- 3. In the STARTUP mode, all APRM channels must produce a scram at less than or equal to 15% of rated core thermal power.

B. Level 2

- 1. If the above Level 1 criteria are satisfied, then the APRM channels will be considered to be reading accurately if they agree with the heat balance to within $\pm 7\%$ of rated core thermal power.

3. RESULTS

During Test Condition 3 the APRM's were calibrated to the results of an OD-3 heat balance. Scram and rod block setpoints were verified to be in accordance with Technical Specifications.

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