

5.0 ADMINISTRATIVE CONTROLS

5.6 Reporting Requirements

5.6.5 CORE OPERATING LIMITS REPORT (COLR)

- a. Core operating limits shall be established prior to each reload cycle, or prior to any remaining portion of a reload cycle, and shall be documented in the COLR for the following:

- 2.1.1 Variable Low RCS Pressure – Temperature Protective Limits
- 3.1.1 SHUTDOWN MARGIN (SDM)
- 3.1.8 PHYSICS TESTS Exceptions – MODE 1
- 3.1.9 PHYSICS TEST Exceptions - MODE 2
- 3.2.1 Regulating Rod Insertion Limits
- 3.2.2 AXIAL POWER SHAPING RODS (APSR) Insertion Limits
- 3.2.3 AXIAL POWER IMBALANCE Operating Limits
- 3.2.4 QUADRANT POWER TILT (QPT)
- 3.2.5 Power Peaking
- 3.3.1 Reactor Protection System (RPS) Instrumentation
- 3.4.1 RCS Pressure, Temperature, and Flow DNB limits
- 3.4.4 RCS Loops – MODES 1 and 2
- 3.9.1 Boron Concentration

- b. The analytical methods used to determine the core operating limits shall be those previously reviewed and approved by the NRC, specifically those described in the following documents:

Babcock & Wilcox Topical Report BAW-10179-A, "Safety Criteria and Methodology for Acceptable Cycle Reload Analyses" (the approved revision at the time the reload analyses are performed). The approved revision number shall be identified in the COLR.

Entergy Topical Report ENEAD-01-P, "Qualification of Reactor Physics Methods for the Pressurized Water Reactors of the Entergy System" (the approved revision at the time the reload analyses are performed). The approved revision number shall be identified in the COLR.

- c. The core operating limits shall be determined such that all applicable limits (e.g., fuel thermal mechanical limits, core thermal hydraulic limits, Emergency Core Cooling System (ECCS) limits, nuclear limits such as SDM, transient analysis limits, and accident analysis limits) of the safety analysis are met.
- d. The COLR, including any midcycle revisions or supplements, shall be provided upon issuance for each reload cycle to the NRC.