5.6 FUEL STORAGE

CRITICALITY

5.6.1.1 The new fuel storage racks are designed and shall be maintained with sufficient center-to-center distance between fuel assemblies placed in the storage racks to ensure a k_{eff} equivalent to less than 0.90 when dry and less than 0.95 when flooded with unborated water.

5.6.1.2 The spent fuel storage racks are designed and shall be maintained with sufficient center-to-center distance between fuel assemblies placed in the storage racks to ensure a k_{eff} equivalent to less than 0.95 with the storage pool filled with unborated water with:

a. New PWR fuel containing not more than 41 grams of U-235 per axial centimeter of active fuel assembly, and a maximum assembly average loading of 3.2 w/o U-235.

b. New BWR fuel containing not more than 15.6 grams of U-235 per axial centimeter of active fuel assembly, and a maximum assembly average loading of 3.0 w/o U-235.

5.1.6.3 The k_{eff} for the unpoisoned racks includes a conservative allowance of 0.5% $\Delta k/k$ for uncertainties. The k_{eff} calculated for the poisoned racks includes the sum of all appropriate biases and the root-mean-square (RMS) of the uncertainties.

DRAINAGE

5.6.2 The spent fuel storage pool is designed and shall be maintained to prevent inadvertent draining of the pool below elevation 116'4".

CAPACITY

5.6.3 The fuel storage pool is designed and shall be maintained with a storage capacity limited to no more than 160 PWR fuel assemblies and 1803 BWR fuel assemblies.

5.7 COMPONENT CYCLIC OR TRANSIENT LIMIT

5.7.1 The components identified in Table 5.7.1-1 are designed and shall be maintained within the cycle or transient limits of Table 5.7.1-1.

5.6 FUEL STORAGE

CRITICALITY

5.6.1.1 The new fuel storage racks are designed and shall be maintained with sufficient center-to-center distance between fuel assemblies placed in the storage racks to ensure a k_{eff} equivalent to less than 0.90 when dry and less than 0.95 when flooded with unborated water.

5.6.1.2 The spent fuel storage racks are designed and shall be maintained with sufficient center-to-center distance between fuel assemblies placed in the storage racks to ensure a k_{eff} equivalent to less than 0.95 with the storage pool filled with unborated water with:

a. New PWR fuel containing not more than 41 grams of U-235 per axial centimeter of active fuel assembly, and a maximum assembly average loading of 3.2 w/o U-235.

b. New BWR fuel containing not more than 15.6 grams of U-235 per axial centimeter of active fuel assembly, and a maximum assembly average loading of 3.0 w/o U-235.

5.1.6.3 The k_{eff} for the unpoisoned racks includes a conservative allowance of 0.5% $\Delta k/k$ for uncertainties. The k_{eff} calculated for the poisoned racks includes the sum of all appropriate biases and the root-mean-square (RMS) of the uncertainties.

DRAINAGE

5.6.2 The spent fuel storage pool is designed and shall be maintained to prevent inadvertent draining of the pool below elevation 116'4".

CAPACITY

5.6.3 The fuel storage pool is designed and shall be maintained with a storage capacity limited to no more than 144 PWR fuel assemblies and 1839 BWR fuel assemblies.

5.7 COMPONENT CYCLIC OR TRANSIENT LIMIT

5.7.1 The components identified in Table 5.7.1-1 are designed and shall be maintained within the cycle or transient limits of Table 5.7.1-1.