

## 4.0 DESIGN FEATURES

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### 4.3 Fuel Storage (continued)

- c.  $k_{\text{eff}} \leq 0.90$  for original fuel rack if fully flooded with unborated water, which includes an allowance for uncertainties as described in Section 10.2.1 of the USAR; and
- d. A nominal 6.563 inch center to center distance between fuel assemblies placed in the 13 x 13 high density storage racks, a nominal 6.625 inch center to center distance between fuel assemblies placed in the 8 x 8 high density storage rack, a nominal 6.625 inch center to center distance between fuel assemblies placed in the original storage rack, and a two inch gap between the high density racks and the original rack.

4.3.1.2 The new fuel storage racks are designed and shall be maintained with:

- a. Fuel assemblies having a maximum k-infinity of 1.31 in the normal reactor core configuration at cold conditions;
- b.  $k_{\text{eff}} < 0.90$  if dry;
- c.  $k_{\text{eff}} < 0.95$  if fully flooded with unborated water, which includes an allowance for uncertainties as described in Section 10.2.1 of the USAR;
- d.  $k_{\text{eff}} \leq 0.98$  under optimum moderator conditions, which includes an allowance for uncertainties as described in Section 10.2.1 of the USAR; and
- e. A minimum 6.5 inch center to center distance between fuel assemblies placed in storage racks within a row and a minimum 10 inch center to center distance between fuel assemblies placed in storage racks between rows.

#### 4.3.2 Drainage

The spent fuel storage pool is designed and shall be maintained to prevent inadvertent draining of the pool below elevation 1003 ft 7.25 inches.

#### 4.3.3 Capacity

The spent fuel storage pool is designed and shall be maintained with a storage capacity limited to no more than 2301 fuel assemblies.

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