Attachment A

Proposed Zion Technical Specification Changes Rod Bow Penalty Deletion

Note: The changes shown on page 45 represent changes to the version of page 45 submitted on April 10, 1981 in regard to the proposed change to ${\rm F_O}$.

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LIMITING	CONDIT	ION	FOR	OPERAT	ION
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SURVEILLANCE REQUIREMENT

3.2.2 Power Distribution Limits

- A. Hot Channel Factor Limits*
- 1.1 At all times, except during physics tests at ≤ 75% rated power**, the hot channel factors defined in the bases must meet the following limits:

Units 1 & 2

$$F_Q(Z) \le [F_Q(Z)] = 1.93/P \times K_1(Z), \text{ for P>.5}$$

L 3.86 x K₁(Z), for P<.5

and
$$F^{N} \le 1.55[1+0.2(1-P)]$$

where:

$$[F_Q(Z)] = F_Q(Z) \text{ limit;}$$

1.93 = FQ constant (LOCA limiting value);

P = fraction of rated power at which the core operated during F_Q and F^N measurement;

 $K_1(Z)$ = factor from Figure 3.2-9 selected at the core elevation, Z, of the measured F_Q ;

4.2.2 Power Distribution

- A. Hot Channel Factor Limits
 - 1.1 Following initial core loading and at a minimum of regular effective full power monthly intervals thereafter, power distribution maps, using the Movable Detector System, shall be made to confirm that the hot channel factor limits of this specification are satisfied.

Following initial loading and each subsequent reloading, and power distribution map using the Movable Detector System, shall be made to confirm that power distribution limits are met, in the full power configuration before a unit is operated above 75% of rating.

^{*} The hot channel factors above are defined for a period not to exceed the predicted minimum time to collapse exposure levels for each fuel region as referenced in the bases.

^{**} During Physics tests which may exceed these hot channel factor limits, the reactor may be in this condition for a period of time not to exceed eight hours continuously.

3.2.2.A.1.1

The measurement of total peaking factor, F_Q Meas, shall be increased by 3% to account for manufacturing tolerances and further increased by 5% to account for measurement error.

The measurement of enthalpy rise hot channel factor, F_Δ^N , shall be increased by 4% to account for measurement errors.

1.2 If the measured hot channel factors exceed the limits in Item 3.2.2.A.1.1 of this specification, the reactor power and the high neutron flux trip setpoints shall be reduced in direct proportion to the excess over the peaking factor which is limiting for that unit.

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