

ATTACHMENT

ZION STATION UNITS 1 and 2

Proposed Change to Facility Operating
License Nos. DPR-39 and DPR-48

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4651N

LIMITING CONDITION FOR OPERATION	SURVEILLANCE REQUIREMENT
<p>3.2.3 Control Rod System Operability (per unit)</p> <p>A. Rod Misalignment Limitations</p> <ol style="list-style-type: none"> 1. If a full-length control rod is out of alignment with its bank by more than ± 12 stops indicated; then, within 2 hours, one of the following steps shall be taken: <ol style="list-style-type: none"> a. Realign the rod, or b. Determine by measurement the core peaking factors and apply Specification 3.2.2.A, or c. Restrict power level to 80% of rated power. 2. If the misaligned control rod is not realigned within 8 hours, the rod shall be declared inoperable and the limitations of 3.2.3.B apply. 3. The provisions of specifications 3.2.3.A and 3.2.3.B shall not apply during physics test in which the control rods are intentionally misaligned. <p>B. Inoperable Rod Limitations</p> <p>An inoperable control rod is a rod which cannot be moved by its mechanism (Not a Rod Urgent Failure) or which is declared inoperable by Specification 3.2.3.A or 3.2.3.C.</p> <p><u>APPLICABILITY:</u> Modes 1 and 2</p>	<p>4.2.3 Control Rod System Operability (per unit)</p> <p>A. Rod Misalignment Limitations</p> <ol style="list-style-type: none"> 1. A rod malposition check shall be made once a shift using both the analog and digital displays. 2. Not Applicable 3. Not Applicable <p>B. Inoperable Rod Limitations</p> <p>There are no Surveillance Requirements for 4.2.3.B.</p>

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3.2.3.B

- ACTION:
- a. Not more than one inoperable control rod shall be permitted during power operation. If more than one rod is determined to be inoperable, the reactor shall be placed in the hot shutdown condition within 4 hours.
 - b. If an inoperable full-length rod is located above the 200 step level and is capable of being tripped, then the insertion limits in Figure 3.2.2 for Unit 1 and Figure 3.2.4 for Unit 2 shall apply for 4 loop operation and the insertion limits in Figure 3.2-3 for Unit I and Figure 3.2-5 for Unit II shall apply for 3 loop operation.

4.2.3.B

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- c. If an inoperable full-length rod is located below the 200 step level, power operation may continue provided that: An analysis of the potential ejected rod worth is performed within 3 days and the rod worth is determined to be $\leq (0.88)\% \Delta k$ at zero power and $\leq (0.19)\% \Delta k$ at RATED THERMAL POWER for the remainder of the fuel cycle, and a) reactivity required to provide the design value of available shutdown as shown in figure 3.2-1 shall be verified every 12 hours; or b) the thermal power level is reduced to $\leq 75\%$ of rated thermal power within one hour and within the next four hours the high neutron flux trip setpoint is reduced to $< 85\%$ of rated thermal power; or c) the remainder of the rods in the group with the inoperable rod are aligned to within + (24) steps of the inoperable rod within one hour while maintaining rod sequence and insertion limits.

4.2.3.B