

UNIT 3
EFFECTIVE PAGE LIST

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*Denotes overleaf or "pillover" page.

3.6/4.6 PRIMARY SYSTEM BOUNDARY

LIMITING CONDITIONS FOR OPERATION

3.6.B. Coolant Chemistry

4. When the reactor is not pressurized, except during the STARTUP CONDITION, the reactor water shall be maintained within the following limits.

- a. Conductivity -
10 μ mho/cm at 25°C
- b. Chloride - 0.5 ppm

SURVEILLANCE REQUIREMENTS

4.6.B. Coolant Chemistry

The additional coolant liquid samples shall be taken at 4-hour intervals for 48 hours, or until a stable iodine concentration below the limiting value (3.2 μ ci/gm) is established. However, at least 3 consecutive samples shall be taken in all cases. An isotopic analysis shall be performed for each sample, and quantitative measurements made to determine the dose equivalent I-131 concentration. If the total iodine activity of the sample is below 0.032 μ ci/gm, an isotopic analysis to determine equivalent I-131 is not required.

3.6/4.6 PRIMARY SYSTEM BOUNDARY

LIMITING CONDITIONS FOR OPERATION

SURVEILLANCE REQUIREMENTS

3.6.B. Coolant Chemistry

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5. Whenever the reactor is critical, the limits on activity concentrations in the reactor coolant shall not exceed the equilibrium value of 3.2 $\mu\text{C/gm}$ of dose equivalent I-131.

†

This limit may be exceeded following power transients for a maximum of 48 hours. During this activity transient the iodine concentrations shall not exceed the equilibrium values by a factor of more than 10 whenever the reactor is critical. The reactor shall not be operated more than 5 percent of its yearly power operation under this exception for the equilibrium activity limits. If the iodine concentration in the coolant exceeds the equilibrium limit by a factor of ten, the reactor shall be shut down, and the steam line isolation valves shall be closed immediately.

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