

Attachment B

QUAD CITIES STATION UNIT 1

Proposed Changes to Technical Specifications
DPR-29

Revised Pages

3.6/4.6-2

3.6/4.6-21A

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that shown in Figure 3.6-1. Operation for hydrostatic or leakage tests, during heatup or cooldown, and with the core critical shall be conducted only when vessel temperature is equal to or above that shown in the appropriate curve of Figure 3.6.1. Figure 3.6.1 is effective through 10 effective full power years. At least six months prior to 10 effective full power years new curves based on 10 CFR 50 Appendices G and H and implementing surveillance capsule test data will be submitted.

2. The reactor vessel head bolting studs shall not be under tension unless the temperature of the vessel shell immediately below the vessel flange is $\geq 100^\circ \text{F}$.

C. Coolant Chemistry

1. The steady-state radioiodine concentration in the reactor coolant shall not exceed $5 \mu\text{Ci}$ of I-131 dose equivalent per gram of water.

below 220°F and the reactor vessel is not vented.

2. Neutron flux monitors and samples shall be installed in the reactor vessel adjacent to the vessel wall at the core midplane level. The monitor and sample program shall conform to ASTM E 185-66. The monitors and samples shall be removed and tested in accordance with the guidelines set forth in 10CFR50 Appendix H to experimentally verify the calculated values of integrated neutron flux that are used to determine the NDTT for Figure 3.6-1.
3. When the reactor vessel head bolting studs are tightened or loosened, the reactor vessel shell temperature immediately below the head flange shall be permanently recorded.

C. Coolant Chemistry

1. a. A sample of reactor coolant shall be taken at least every 96 hours and analyzed for radioactive iodines of I-131 through I-135 during power operation. In addition, when chimney monitors indicate an increase in radioactive gaseous effluents of 25% or $5000 \mu\text{Ci}/\text{sec}$, whichever is greater, during steady-state reactor operation, a reactor coolant sample shall be taken and analyzed for radioactive iodines.
b. An isotopic analysis of a reactor coolant sample shall be made at least once per month.
c. Whenever the steady-state radioiodine concentration of prior operation is greater than 1% but less

Table 4.2.6

Neutron Flux and Samples

Withdrawal Schedule for Quad-Cities Unit 1

<u>Withdrawal*</u> <u>Year</u>	<u>Part No.</u>	<u>Location</u>	<u>Comments</u>
1982	8	Wall - 215 ⁰	None
2002	7	Wall - 95 ⁰	None
	9	Wall - 245 ⁰	Standby
	5	Wall - 65 ⁰	Standby
1992	10	Wall - 275 ⁰	None

* Allowances should be made to withdrawal year due to unscheduled shutdowns and updated fuel exposure data.

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