

ATTACHMENT 2

REVISED CLEAN TECHNICAL SPECIFICATIONS

The following pages depict the changes proposed to the existing Technical Specifications
in a re-typed format.

7 pages follow this cover sheet

3.7 PLANT SYSTEMS

3.7.16 Fuel Storage Pool Boron Concentration

LCO 3.7.16 The fuel storage pool boron concentration shall be \geq 2165 ppm.

APPLICABILITY: When fuel assemblies are stored in the fuel storage pool.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME	
<p>A. Fuel storage pool boron concentration not within limit.</p>	<p>----- NOTE ----- LCO 3.0.3 is not applicable. -----</p>		
	<p>A.1 Suspend movement of fuel assemblies in the fuel storage pool.</p>		<p>Immediately</p>
	<p><u>AND</u></p> <p>A.2 Initiate action to restore fuel storage pool boron concentration to within limit.</p>		<p>Immediately</p>

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.7.16.1	Verify the fuel storage pool boron concentration is within limit.	In accordance with the Surveillance Frequency Control Program

No changes to this page; provided for continuity / completeness

3.7 PLANT SYSTEMS

3.7.17 Spent Fuel Assembly Storage

LCO 3.7.17 The combination of initial enrichment and burnup of each spent fuel assembly stored in Region 2 shall be within the Acceptable Domain of Figure 3.7.17-1.

APPLICABILITY: Whenever any fuel assembly is stored in the fuel storage pool.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Requirements of the LCO not met.	A.1 ----- NOTE ----- LCO 3.0.3 is not applicable. ----- Initiate action to move the noncomplying fuel assembly to Region 1.	Immediately

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.7.17.1 Verify by administrative means the initial enrichment and burnup of the fuel assembly is in accordance with Figure 3.7.17-1.	Prior to storing the fuel assembly in Region 2

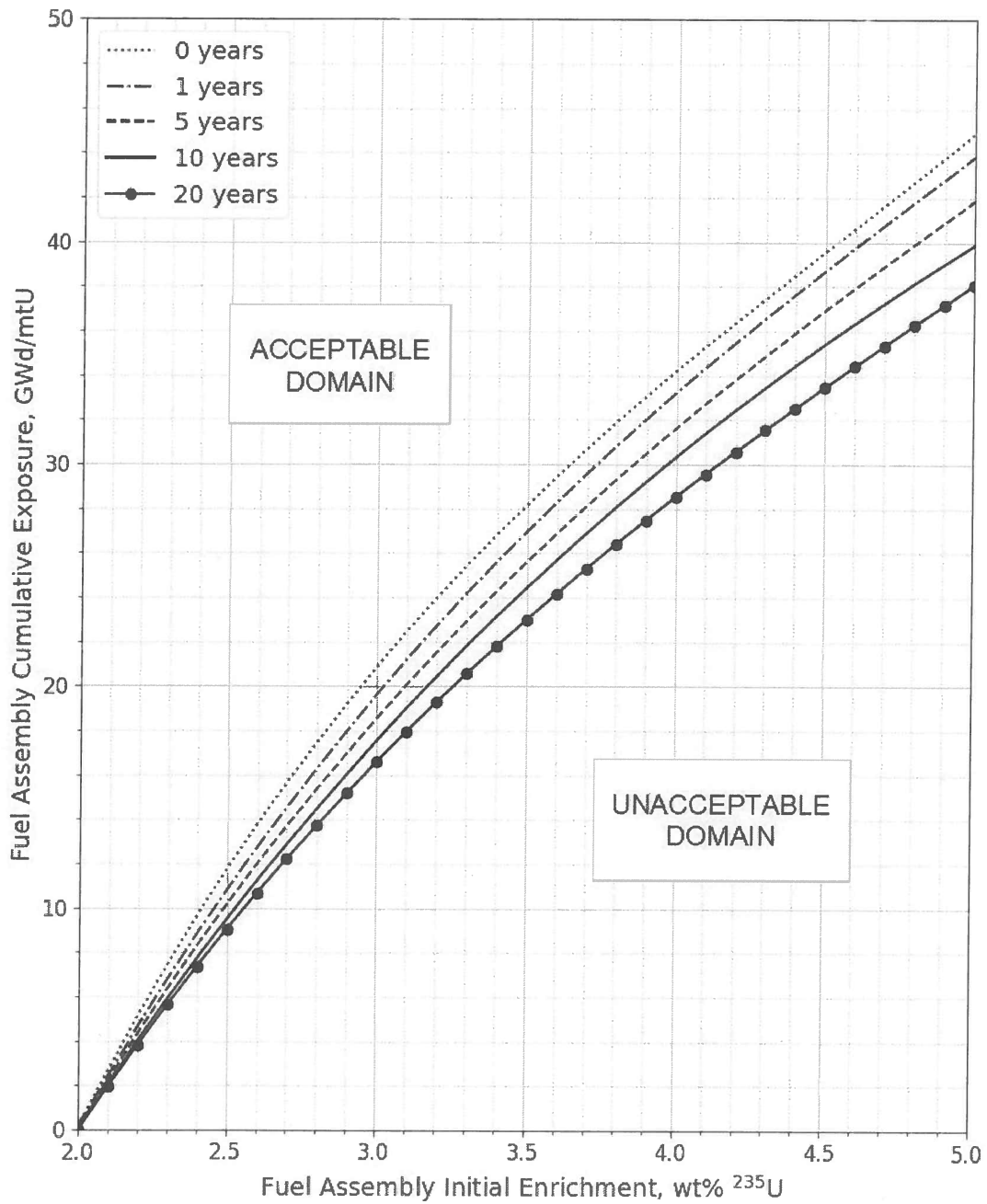


Figure 3.7.17-1 (page 1 of 1)
MINIMUM REQUIRED FUEL ASSEMBLY BURNUP AS A FUNCTION OF
INITIAL ENRICHMENT TO PERMIT STORAGE IN REGION 2

4.0 DESIGN FEATURES

4.1 Site Location

The Callaway Plant site consists of approximately 2,767 acres of rural land 10 miles southeast of the city of Fulton in Callaway County, Missouri, and 80 miles west of the St. Louis metropolitan area.

4.2 Reactor Core

4.2.1 Fuel Assemblies

The reactor shall contain 193 fuel assemblies. Each assembly shall consist of a matrix of Zircalloy or ZIRLO clad fuel rods with an initial composition of natural or slightly enriched uranium dioxide (UO₂) as fuel material. Limited substitution of fuel rods by zirconium alloy or stainless steel filler rods may be used in accordance with approved applications of fuel rod configurations. Fuel assemblies shall be limited to those fuel designs that have been analyzed with applicable NRC staff approved codes and methods and shown by tests or analyses to comply with all safety design bases. A limited number of lead test assemblies that have not completed representative testing may be placed in nonlimiting core regions.

4.2.2 Control Rod Assemblies

The reactor core shall contain 53 control rod assemblies. The control rod material shall be silver indium cadmium, hafnium metal, or a mixture of both types, as approved by the NRC.

4.3 Fuel Storage

4.3.1 Criticality

4.3.1.1 The spent fuel storage racks are designed and shall be maintained with:

- a. Fuel assemblies having a maximum nominal U-235 enrichment of 5.0 weight percent;

(continued)

4.0 DESIGN FEATURES

4.3 Fuel Storage (continued)

- b. $k_{\text{eff}} < 1.0$ if fully flooded with unborated water and $k_{\text{eff}} \leq 0.95$ if flooded with borated water, which includes an allowance for uncertainties as described in Section 9.1 of the FSAR;
- c. A nominal 8.99 inch center to center distance between fuel assemblies placed in the fuel storage racks;
- d. Partially spent fuel assemblies with a discharge burnup in the "Acceptable Domain" for Region 2 storage of Figure 3.7.17-1 may be allowed unrestricted storage in the fuel storage racks, except for the empty cells in the checkerboarding configuration (Region 1);
- e. Deleted
- f. New or partially spent fuel assemblies with a discharging burnup in the "Unacceptable Domain" for Region 2 Storage of Figure 3.7.17-1 will be stored in Region 1.

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

- a. Fuel assemblies having a maximum nominal U-235 enrichment of 5.0 weight percent;
- b. $k_{\text{eff}} \leq 0.95$ if fully flooded with unborated water, which includes an allowance for uncertainties as described in Section 9.1 of the FSAR;
- c. $k_{\text{eff}} \leq 0.98$ if moderated by aqueous foam, which includes an allowance for uncertainties as described in Section 9.1 of the FSAR; and
- d. A nominal 21 inch center to center distance between fuel assemblies placed in the storage racks.

(continued)

4.0 DESIGN FEATURES

4.3 Fuel Storage (continued)

4.3.2 Drainage

The fuel storage pool is designed and shall be maintained to prevent inadvertent draining of the pool below elevation 2040 ft.

4.3.3 Capacity

The fuel storage pool is designed and shall be maintained with a storage capacity limited to no more than 2363 fuel assemblies in the spent fuel pool and no more than 279 assemblies in the cask loading pool.

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