

5.0 DESIGN FEATURES

5.6 FUEL STORAGE (Continued)

1. Region 1 is designed to accommodate new fuel with a maximum nominal enrichment of 4.95 wt% U-235, or spent fuel regardless of the discharge fuel burnup.
2. Region 2 is designed to accommodate fuel of 4.95% initial nominal enrichment burned to at least 50,000 MWD/MtU, or fuel of other enrichments with equivalent reactivity.
3. Region 3 is designed to accommodate fuel of 4.95% initial nominal enrichment burned to at least 38,000 MWD/MtU, or fuel of other enrichments with equivalent reactivity.

The equivalent reactivity criteria for Region 2 and Region 3 is defined via the following equations:

For Region 2 Storage

Minimum Assembly Average Burnup in MWD/MTU =

$$-22,670 + 22,220 E - 2,260 E^2 + 149 E^3$$

For Region 3 Storage

Minimum Assembly Average Burnup in MWD/MTU =

$$-26,745 + 18,746 E - 1,631 E^2 + 98.4 E^3$$

Where E = Initial Peak Enrichment

TABLE 4.4-2
STEAM GENERATOR TUBE INSPECTION

1ST SAMPLE INSPECTION			2ND SAMPLE INSPECTION		3RD SAMPLE INSPECTION	
Sample Size	Result	Action Required	Result	Action Required	Result	Action Required
A minimum of S Tubes per S.G.	C-1	None	N/A	N/A	N/A	N/A
	C-2	Plug defective tubes and inspect additional 2S tubes in this S.G.	C-1	None	N/A	N/A
			C-2	Plug defective tubes and inspect additional 4S tubes in this S.G.	C-1	None
					C-2	Plug defective tubes
					C-3	Perform action for C-3 result of first sample
	C-3	Perform action for C-3 result of first sample	N/A	N/A	N/A	N/A
	C-3	Inspect all tubes in this S.G., plug defective tubes and inspect 2S tubes in each other S.G. Prompt notification to NRC pursuant to specification 6.9.1	All other S.G.s are C-1	None	N/A	N/A
Some S.G.s C-2 but no additional S.G. are C-3.			Perform action for C-2 result of second sample	N/A	N/A	
Additional S.G. is C-3			Inspect all tubes in each S.G. and plug defective tubes. Prompt notification to NRC pursuant to specification 6.9.1.	N/A	N/A	

$S = 3(N/n)\%$ Where N is the number of steam generators in the unit, and n is the number of steam generators inspected during an inspection.

5.0 DESIGN FEATURES

5.6 FUEL STORAGE (Continued)

CRITICALITY - SPENT FUEL (Continued)

The equivalent reactivity criteria for Region 2 and Region 3 is defined via the following equations:

For Region 2 Storage

$$\begin{aligned} \text{Minimum Assembly Average Burnup in MWD/MTU} = \\ - 22,670 + 22,220 E - 2,260 E^2 + 149 E^3 \end{aligned}$$

For Region 3 Storage

$$\begin{aligned} \text{Minimum Assembly Average Burnup in MWD/MTU} = \\ - 26,745 + 18,746 E - 1,631 E^2 + 98.4 E^3 \end{aligned}$$

Where E = Initial Peak Enrichment