

**CERTIFICATE OF COMPLIANCE
FOR RADIOACTIVE MATERIAL PACKAGES**

1 a. CERTIFICATE NUMBER 9297	b. REVISION NUMBER 10	c. DOCKET NUMBER 71-9297	d. PACKAGE IDENTIFICATION NUMBER USA/9297/AF-96	PAGE 7	PAGES OF 10
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- (v) Any quantity of stainless steel replacement rods is allowed in the assembly.
- (vi) Polyethylene packing materials are limited to a maximum of 2.0 kg in the Clamshell and may not have a hydrogen density greater than 0.1325 g/cm³.
- (vii) Non-fissile base-plate mounted core components, and spider-body core components, including burnable absorbers, secondary source rods, and axial spacer assemblies, are permitted.
- (viii) Primary neutron sources or other radioactive material are not permitted.

5.(b)(3) PWR Group 3 Fuel Assembly (VVER)

- (i) VVER uranium dioxide fuel assemblies with a maximum uranium-235 enrichment of 5.0 weight percent, with an isotopic composition not exceeding a Type A quantity. The parameters of the fuel assemblies that are permitted are as follows:

Parameters for VVER Fuel Assemblies

Fuel Assembly Description	Fabrication Tolerance Limit	VV Bin 1
Array Size	-	11x21 ^a
No. of Fuel Rods per Assembly	-	312
No. of Non-Fuel Holes	-	19
Nominal Pitch (in./cm)	+0.001 (+0.0026)	0.502 (1.2751)
Minimum Fuel Pellet OD (in./cm)	-0.0005 (-0.0013)	0.3083 (0.7831)
Minimum Cladding ID (in./cm)	-0.0015 (-0.0051)	0.3125 (0.7938)
Minimum Cladding Thickness (in./cm)	-0.0015 (-0.0051)	0.0210 (0.0533)
Maximum Active Fuel Length (in./cm)	+0.500 (+1.270)	143.70 (365.00)

Note: ^a (shortest row) x (longest row).

- (ii) For each parameter, the listed fabrication tolerance limit applies to all bins included in the table. For maximum parameters, only the positive tolerance is limited and for minimum parameters, only the negative tolerance is limited.
- (iii) All rod cladding must be composed of a Zirconium Alloy.