

TABLE 4.2-1

MAXIMUM DEFLECTIONS ALLOWED FOR REACTOR INTERNAL SUPPORT STRUCTURES

<u>Component</u>	<u>Allowable Deflections (in.)</u>	<u>No-Loss-of- Function Deflections (in.)</u>
Upper Barrel		
radial inward	4.1	8.2
radial outward	0.5	1.0
Upper Package	0.10	0.15
Rod Cluster Guide Tubes	1.00	1.75

TABLE 4.2-2

COMPARISON OF SINGLE AND DOUBLE ENCAPSULATED SECONDARY SOURCE DESIGNS

PARAMETER	SINGLE ENCAPSULATED	DOUBLE ENCAPSULATED
Number of rodlets	4	6
Outer Clad OD, in.	0.381 +/- 0.001	0.381 +/- 0.001
Outer Clad ID, in.	0.344 +/- 0.0005	0.344 +/- 0.0005
Inner Clad OD, in.	N/A	0.344 +/- 0.001
Inner Clad ID, in.	N/A	0.297 +/- 0.0005
Pellet OD, in.	0.338 +0.002/-0.001	0.292 +/- 0.001
Pellet Stack Length, in.	88.00	88.00
Pellet Stack Weight, grams	500/535	338 +/- 10
Spring Clip Material	Carbon steel - plated	410 Stainless steel
Outer Pressurization, psig	625 +/- 50	625 +/- 50
Inner Pressurization, psig	N/A	250 +/- 20