



**INDIANA AND MICHIGAN POWER
D. C. COOK NUCLEAR PLANT
UPDATED FINAL SAFETY ANALYSIS REPORT**

Revision: 16.1

Table: 14.G-2

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**HISTORICAL
MAXIMUM DEFLECTIONS UNDER BLOWDOWN (INCHES)**

(1-Millisecond Double-Ended Break)

Component	Hot Leg	Cold Leg	Seismic Horizontal	Maximum Total	Allowable	No Loss Of Function
Upper Barrel						
Radial inward	0.057	0.0	0.002	0.059	5	10
Radial outward	0.029	0.431	0.002	0.460	4.125	8.25
Upper core plant	0.015	0.016	0	0.016	0.100*	0.150
RCC Guide Tubes (deflection as a beam)	(54)<Allowable		0.010	<Allowable	1.0	1.60 to 1.75
	(2)<N.L.F.		0.010	<N.L.F.	1.0	1.60 to 1.75
	>Allowable			>Allowable		1.60 to 1.75
	(5)>N.L.F		0.010	>N.L.F.	1.0	
Fuel Assembly Thimbles (cross-section distortion)	0	0	0	0	0.036	0.072

* Only to assure that the plate will not touch a guide tube.