



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

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DYNAMIC ROTATIONS

Structure	O.B.E.		D.B.E.	
	X Earthquake	Y Earthquake	X Earthquake	Y Earthquake
Containment	17.6 (10 ⁻⁵) Radians	17.6 (10 ⁻⁵) Radians	22.7 (10 ⁻⁵) Radians	22.7 (10 ⁻⁵) Radians
Aux. Building	3.05 (10 ⁻⁵) Radians	1.43 (10 ⁻⁵) Radians	6.10 (10 ⁻⁵) Radians	2.81 (10 ⁻⁵) Radians
Turbine Building	0.2 (10 ⁻⁵) Radians	1.91 (10 ⁻⁵) Radians	0.31 (10 ⁻⁵) Radians	3.03 (10 ⁻⁵) Radians
Diesel Building (Switchgear)	3.78 (10 ⁻⁵) Radians	8.0 (10 ⁻⁵) Radians	8.85 (10 ⁻⁵) Radians	15.1 (10 ⁻⁵) Radians