

	INDIANA AND MICHIGAN POWER D. C. COOK NUCLEAR PLANT UPDATED FINAL SAFETY ANALYSIS REPORT	Revision: 25.0 Table: 14.3.2-3 Page: 1 of 1
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Small Break Loss-of-Coolant Accident Calculations									
Break Size (in)	2-inch	2.5-inch	2.75-inch	3.0-inch	3.25-inch	3.5-inch	3.75-inch	4.0-inch	6.0-inch
PCT (°F)	968.4	1433.4	1452.5	1584.0	1725.0	1705.3	1517.9	1411.2	670.6
PCT Time (s)	2284.4	2684.0	2140.6	2000.5	1483.4	1249.3	1129.8	986.2	404.1
PCT Elevation (ft)	11.0	11.50	11.50	11.75	11.75	11.75	11.50	11.25	11.00
Max. Local ZrO ₂ (%)	0.03	0.70	0.54	1.26	2.08	1.72	0.56	0.26	0.00
Max. Local ZrO ₂ Elev. (ft)	11.0	11.50	11.50	11.75	11.75	11.50	11.50	11.25	11.00
Hot Rod Axial Average ZrO ₂ (%) ⁽¹⁾	0.00	0.09	0.07	0.17	0.30	0.26	0.08	0.04	0.00
Notes: (1) The hot rod axial average ZrO₂ conservatively represents the core wide average oxidation, since the core wide average ZrO₂ thickness will always be less than the corresponding hot rod axial average ZrO₂ thickness.									