



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

Revision: 25.0
Table: 14.3.2-7
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**Safety Injection Flows Used in the SBLOCA Analysis – Recirculation Phase
(1 CHG pump, 1 HHSI pump, 1 RHR pump –
faulted loop CHG flow injects to RCS pressure and faulted loop
HHSI/RHR flow spills to containment (0 psia) – RHR Spray active – 8.75-inch break)**

RCS Pressure (psia)	Broken Loop (lbm/sec)		Intact Loops (lbm/sec)		
	Loop 1 – CHG	Loop 1 – RHR/HHSI	Loop 2	Loop 3	Loop 4
14.7	15.4	20.7	32.1	31.3	32.3
34.7	15.4	39.8	31.9	12.4	32.0
54.7	15.3	39.9	31.6	12.4	31.8
74.7	15.3	40.0	31.4	12.3	31.5
94.7	15.2	40.1	31.1	12.2	31.2
114.7	15.1	40.3	30.8	12.2	31.0
134.7	15.0	40.4	30.6	12.1	30.7
154.7	15.0	40.5	30.3	12.1	30.4
174.7	14.9	40.6	30.0	12.0	30.1
194.7	14.8	40.8	29.7	12.0	29.9
214.7	14.8	40.9	29.4	11.9	29.6
234.7	14.7	41.1	29.2	11.8	29.3
254.7	14.6	41.2	28.9	11.8	29.0
274.7	14.5	41.3	28.6	11.7	28.7
294.7	14.5	41.4	28.3	11.7	28.4
314.7	14.4	41.6	28.0	11.6	28.1
414.7	14.1	42.2	26.5	11.3	26.6
514.7	13.7	42.9	24.9	11.0	25.0
614.7	13.3	55.9	22.6	10.7	22.6
714.7	12.8	57.8	19.8	10.4	19.8
814.7	12.4	59.8	16.5	10.0	16.6

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Safety Injection Flows Used in the SBLOCA Analysis – Recirculation Phase (1 CHG pump, 1 HHSI pump, 1 RHR pump – faulted loop CHG flow injects to RCS pressure and faulted loop HHSI/RHR flow spills to containment (0 psia) – RHR Spray active – 8.75-inch break)					
RCS Pressure (psia)	Broken Loop (lbm/sec)		Intact Loops (lbm/sec)		
	Loop 1 – CHG	Loop 1 – RHR/HHSI	Loop 2	Loop 3	Loop 4
914.7	12.0	62.2	12.7	9.7	12.7
1014.7	11.6	64.3	9.3	9.3	9.3
1114.7	11.1	64.3	9.0	9.0	9.0
1214.7	10.7	64.3	8.6	8.6	8.6
1314.7	10.2	64.3	8.3	8.3	8.3
1414.7	9.8	64.3	7.9	7.9	7.9
1514.7	9.2	64.4	7.4	7.4	7.4
1614.7	8.7	64.4	7.0	7.0	7.0
1714.7	8.1	64.4	6.6	6.6	6.6