

Table 34. Event frequencies for LNG ISO mainline movement release scenarios along Route 3 (Hialeah to Bowden Yard), presented here for Configuration 1 (C-1) and train speeds between 25 mph and 60 mph.

Release rate (kg/s)	Release Frequency (/year)	Release rate (kg/s)	Release Frequency (/year)	Release rate (kg/s)	Release Frequency (/year)
1 of (b) ISOs Involved		6 of (b) ISOs Involved		9 of (b) ISOs Involved	
0	3.11×10^{-2}	0	4.09×10^{-3}	0	3.16×10^{-3}
1.17	4.54×10^{-4}	3.58	3.72×10^{-4}	5.30	4.41×10^{-4}
18.8	8.10×10^{-4}	21.7	6.89×10^{-4}	23.5	8.33×10^{-4}
CR ⁵² 1 ISO	9.72×10^{-5}	39.9	4.43×10^{-5}	41.7	8.57×10^{-5}
2 of (b) ISOs Involved		58.1	1.52×10^{-6}	59.9	5.14×10^{-6}
0	6.65×10^{-3}	76.4	2.93×10^{-8}	78.1	1.98×10^{-7}
1.57	1.96×10^{-4}	CR 1 ISO	9.38×10^{-5}	96.3	5.10×10^{-9}
19.4	3.52×10^{-4}	CR 2 ISOs	7.06×10^{-7}	CR 1 ISO	1.22×10^{-4}
37.6	4.53×10^{-6}	CR 3 ISOs	2.83×10^{-9}	CR 2 ISOs	1.47×10^{-6}
CR 1 ISO	4.33×10^{-5}	7 of (b) ISOs Involved		CR 3 ISOs	1.04×10^{-8}
CR 2 ISOs	6.52×10^{-8}	0	3.57×10^{-3}	10 of (b) ISOs Involved	
3 of (b) ISOs Involved		4.14	3.82×10^{-4}	0	2.99×10^{-3}
0	6.28×10^{-3}	22.3	7.12×10^{-4}	5.88	4.66×10^{-4}
2.01	2.80×10^{-4}	40.5	5.49×10^{-5}	24.1	8.88×10^{-4}
20.0	5.06×10^{-4}	58.7	2.35×10^{-6}	42.3	1.03×10^{-4}
40.8	1.31×10^{-5}	76.9	6.06×10^{-8}	60.5	7.05×10^{-6}
CR 1 ISO	6.39×10^{-5}	95.1	9.34×10^{-10}	78.7	3.17×10^{-7}
CR 2 ISOs	1.92×10^{-7}	CR 1 ISO	9.95×10^{-5}	96.9	9.80×10^{-9}
4 of (b) ISOs Involved		CR 2 ISOs	8.98×10^{-7}	CR 1 ISO	1.34×10^{-4}
0	4.97×10^{-3}	CR 3 ISOs	4.50×10^{-9}	CR 2 ISOs	1.81×10^{-6}
2.51	2.97×10^{-4}	8 of (b) ISOs Involved		CR 3 ISOs	1.46×10^{-8}
20.6	5.42×10^{-4}	0	3.23×10^{-3}		
38.8	2.09×10^{-5}	4.77	4.81×10^{-4}		
59.0	3.61×10^{-7}	22.9	7.46×10^{-4}		
CR 1 ISO	7.01×10^{-5}	41.1	6.71×10^{-5}		
CR 2 ISOs	3.17×10^{-7}	59.3	3.45×10^{-6}		
CR 3 ISOs	6.35×10^{-10}	77.5	1.11×10^{-7}		
5 of (b) ISOs Involved		95.7	2.28×10^{-9}		
0	3.36×10^{-3}	CR 1 ISO	1.07×10^{-4}		
3.03	2.52×10^{-4}	CR 2 ISOs	1.13×10^{-6}		
21.1	4.64×10^{-4}	CR 3 ISOs	6.78×10^{-9}		
39.4	2.39×10^{-5}				
57.6	6.14×10^{-7}				
77.4	7.94×10^{-9}				
CR 1 ISO	6.16×10^{-5}				
CR 2 ISOs	3.71×10^{-7}				
CR 3 ISOs	1.12×10^{-9}				

⁵² The abbreviation “CR” represents a catastrophic rupture where the entire (b) (4) gallons contained in the ISO is released instantaneously.