

APPENDIX 9C

**RISK ASSESSMENT FOR
PROPOSED DG VEHICLE FERRY PIER
- FN DATA**

TABLE A9C.1 PROPOSED DG FERRY PIER TRANSPORT FN DATA 2001

Number of Fatalities (N)	2001 - Combined DG Traffic	2001 - LPG Transport	2001 - Chlorine Cylinder Transport	2001 - Hydrocarbon Transport
1	3.09E-06	3.06E-06	2.85E-08	
2	1.38E-06	1.37E-06	1.14E-08	
3	1.04E-06	1.03E-06	7.84E-09	
4	5.73E-07	5.67E-07	6.59E-09	
5	4.26E-07	4.20E-07	5.76E-09	
6	1.44E-07	1.39E-07	4.98E-09	
8	1.10E-07	1.06E-07	3.77E-09	
10	9.49E-08	9.20E-08	2.90E-09	
12	4.41E-08	4.19E-08	2.29E-09	
15	2.04E-09	3.70E-10	1.67E-09	
20	1.23E-09	3.05E-10	9.27E-10	
25	5.84E-10	2.60E-10	3.24E-10	
30	2.70E-10	2.31E-10	3.89E-11	
40	1.78E-10	1.78E-10	2.52E-15	
50	1.13E-10	1.13E-10		
60	7.42E-11	7.42E-11		
80	2.38E-11	2.38E-11		
100	8.45E-12	8.45E-12		
120	2.96E-12	2.96E-12		
150	5.14E-13	5.14E-13		
200				
250				
300				
400				
500				
600				

TABLE A9C.2 PROPOSED DG FERRY PIER TRANSPORT FN DATA 2012

Number of Fatalities (N)	2012 - Combined DG Traffic	2012 - LPG Transport	2012 – Chlorine Cylinder Transport	2012- Hydrocarbon Transport
1	3.94E-06	3.91E-06	2.87E-08	
2	1.57E-06	1.56E-06	1.25E-08	
3	9.24E-07	9.14E-07	9.70E-09	
4	4.04E-07	3.96E-07	8.47E-09	
5	3.42E-07	3.35E-07	7.61E-09	
6	2.62E-07	2.55E-07	6.87E-09	
8	1.06E-07	1.01E-07	5.57E-09	
10	5.64E-09	1.03E-09	4.62E-09	
12	4.91E-09	8.80E-10	4.03E-09	
15	4.22E-09	7.32E-10	3.49E-09	
20	3.39E-09	6.17E-10	2.77E-09	
25	2.66E-09	4.99E-10	2.17E-09	
30	2.05E-09	4.03E-10	1.64E-09	
40	1.37E-09	2.25E-10	1.15E-09	
50	1.14E-09	9.48E-11	1.05E-09	
60	7.27E-10	3.30E-11	6.94E-10	
80	3.25E-11	6.68E-12	2.58E-11	
100	8.19E-14	1.83E-14	6.35E-14	
120	6.57E-16		6.57E-16	
150				
200				
250				
300				
400				
500				
600				

TABLE A9C.3 EXISTING DG FERRY PIER FN DATA 2001

Number of Fatalities (N)	2012 - Combined DG Traffic	2012 - LPG Transport	2012 - Chlorine Cylinder Transport	2012- Hydrocarbon Transport
1	7.53E-07	7.46E-07	6.02E-09	
2	1.95E-08	1.60E-08	3.53E-09	
3	3.19E-09	2.17E-10	2.97E-09	
4	2.80E-09	1.60E-10	2.64E-09	
5	2.49E-09	1.17E-10	2.37E-09	
6	2.21E-09	9.15E-11	2.12E-09	
8	1.66E-09	4.72E-11	1.61E-09	
10	1.26E-09	2.57E-11	1.24E-09	
12	1.03E-09	1.46E-11	1.01E-09	
15	8.60E-10	7.74E-12	8.53E-10	
20	7.42E-10	6.13E-12	7.36E-10	
25	6.93E-10	5.47E-12	6.87E-10	
30	6.19E-10	5.25E-12	6.14E-10	
40	2.79E-10	4.63E-12	2.75E-10	
50	2.97E-11	4.63E-12	2.50E-11	
60	4.59E-12	4.56E-12	2.80E-14	
80	4.23E-12	4.22E-12	8.39E-15	
100	3.78E-12	3.77E-12	9.62E-16	
120	3.03E-12	3.03E-12		
150	2.48E-12	2.48E-12		
200	1.47E-12	1.47E-12		
250	6.95E-13	6.95E-13		
300				
400				
500				
600				