

Table 1: Preliminary hazard analysis (continued)

Generic Hazard	Identifier	Hazard	Accident Event	Probable Causes	Initial Risk Probability	Severity	Risk Level	Preventive Actions	Residual Risk Probability	Severity	Risk Level
Example-	5g		Early launch of life crafts	Improper evacuation procedure	3	4	12	Plans for Emergency Preparedness based on facility design	2	2	4

Table 2: Initial risk matrix

Frequency/ Consequence	1-Very Unlikely	2-Remote	3-Occasional	4-Probable	5-Frequent
4-Catastrophic					
3-Critical					
2-Major					
1-Minor					

Table 3: Residual risk matrix

Frequency/ Consequence	1-Very Unlikely	2-Remote	3-Occasional	4-Probable	5-Frequent
4-Catastrophic					
3-Critical					
2-Major					
1-Minor					

Table 4: Risk matrix colour legend

Colour	Legend
	Not Acceptable- Risk reduction required
	Acceptable using ALARP. Consider further risk reduction.
	Acceptable.

Table 5: Probability classes

Rank	Probability class	Description
1	Very unlikely	Once per 1000 years or more seldom
2	Remote	Once per 100 years
3	Occasional	Once per 10 years
4	Probable	Once per year
5	Frequent	Once per month or more often

Table 6: Severity classes

Rank	Severity class	Description
4	Catastrophic	Failure results in major injury or death of personnel.
3	Critical	Failure results in minor injury to personnel, personnel exposure to harmful chemicals or radiation, or fire or a release of chemical to the environment
2	Major	Failure results in a low level of exposure to personnel, or activates facility alarm system.
1	Minor	Failure results in minor system damage but does not cause injury to personnel, allow any kind of exposure to operational or service personnel or allow any release of chemicals into the environment.