

Risk Analysis Matrix

CONSEQUENCES:

Insignificant Minor	No injuries, low financial loss First aid treatment, on-site release immediately contained, medium financial loss
Moderate	Medical treatment required, on-site release contained with outside assistance, high financial loss
Major	Extensive injuries, loss of production capability, off-site release with no detrimental effects, major financial loss
Catastrophic	Death, toxic release off-site with detrimental effect, huge financial lost

LIKELIHOOD:

Almost certain	Is expected to occur in most circumstances
Likely	Will probably occur in most circumstances
Possible	Might occur at some time
Unlikely	Could occur at some time
Rare	May occur only in exceptional circumstances

Consequence Rating:

- 1 = insignificant
- 2 = minor
- 3 = moderate
- 4 = major
- 5 = catastrophic

Likelihood Rating:

- A = almost certain
- B = likely
- C = possible
- D = unlikely
- E = rare

The following table indicates a method of analysing risk, taking into consideration the likelihood of the risk occurring and the consequence the risk would have:

	Consequence				
Likelihood	Insignificant 1	Minor 2	Moderate 3	Major 4	Catastrophic 5
A (almost certain)	H	H	E	E	E
B (likely)	M	H	H	E	E
C (possible)	L	M	H	E	E
D (unlikely)	L	L	M	H	E
E (rare)	L	L	M	H	H

LEVEL OF RISK LEGEND:

- E:** extreme risk; avoidance and/or immediate action required
- H:** high risk; avoidance and/or management
- M:** moderate risk; management, insurance
- L:** low risk; acceptance or manage by routine procedure



