

risk matrix

Use this risk matrix to determine the class/ranking for potential workplace hazards.

step 1

Identify the consequence for each potential risk by using the table below. Note: If a combination of harm, loss or damage could occur the worst case consequence is selected.

| | Insignificant | Minor | Moderate Consequence | Major Consequence | Catastrophic/Severe |
|----------------|---------------|-------|----------------------|-------------------|---------------------|
| Almost Certain | 11 | 16 | 20 | 23 | 25 |
| Likely | 7 | 12 | 17 | 21 | 24 |
| Passionate | 4 | 8 | 13 | 15 | 22 |
| Unlikely | 2 | 5 | 9 | 14 | 19 |
| Rare | 1 | 3 | 6 | 10 | 15 |

| Level | Description of Consequence |
|------------------------------------|---|
| Catastrophic/ Major RED | Potential death, permanent disability or major structural failure/damage. Off-site environmental discharge/release not contained and significant long-term environmental harm. |
| Moderate/ Minor YELLOW | Potential temporary disability or minor structural failure/damage. On-site environmental discharge/release contained, minor remediation required, short-term environmental harm. |
| Insignificant BLUE | Incident that has the potential to cause persons to require first aid. On-site environmental discharge/release immediately contained, minor level clean up with no short-term environmental harm. |

step 2

Using the following table, determine how likely it is that the risk will occur and result in the consequence identified above.

| Level | Likelihood/Probability |
|----------------|---|
| Almost Certain | <p>The probability of this happening is very likely, with a 90-99% chance of it occurring.</p> <p><i>Has occurred 9 or 10 times in the past 10 years in this organization or circumstances are in that it will almost certainly cause it to happen.</i></p> |

| | |
|----------|---|
| Likely | <p>The likelihood of this occurring is a good chance with a 55-90 % probability.</p> <p><i>Occurred more than 7 times over 10 years in this organization or in other similar organizations or circumstances have such that it is likely to happen in the next few years.</i></p> |
| Possible | <p>This is an occurrence which is possible. There is a moderate chance of the event happening with a 25-55% probability.</p> <p><i>Has occurred in this organization more than 3 times in the past 10 years or occurs regularly in similar organizations or is considered to have a reasonable likelihood of occurring in the next few years.</i></p> |
| Unlikely | <p>May occur only in exceptional circumstances. This is not likely with only a 5-25% probability rate.</p> <p><i>Has occurred 2 or 3 times over 10 years in this organization or similar organizations</i></p> |
| Rare | <p>This may only occur in very rare situations with a 5% probability rating.</p> <p><i>Has occurred or can reasonably be considered to occur only a few times in 100 years</i></p> |

step 3

Using the risk matrix below, identify the risk class/ranking.

| Class/Ranking | Description / Requirements |
|---------------|--|
| RED | <p>Will require detailed pre-planning.</p> <p>Actions will be recorded on a Safe Work Method Statement</p> |
| YELLOW | <p>Will require operational planning.</p> <p>Actions will be recorded on a Safe Work Method Statement</p> |
| BLUE | <p>Will require operational planning.</p> <p>Actions will be recorded on a Safe Work Method Statement</p> |
| GREEN | <p>Will require localised control measures</p> |