**RISK ASSESSMENT MATRIX**

A risk assessment is a process for identifying possible hazards and determining what could occur if a disaster or hazard develops. There are several hazards to consider, and each hazard could have many possible scenarios happening within or because of it.

**RISK ASSESSMENT STEPS**

1. identify hazards
2. discover what or whom could be harmed
3. evaluate the level of risk and develop control measures
4. records the finding
5. review and update the risk assessment regularly

You can upload and use risk assessment template file here.

**RISK ASSESSMENT MATRIX**

A risk assessment matrix shows the likelihood of events happening and the potential consequences. In the following example, Likelihood refers to the level of possibility that a person could be injured if exposed to a hazard, while Impact refers to the severity of the injury.

|  |  |
| --- | --- |
| Risk level | Location |
| High | 5A, 5B, 5C, 4A, 4B, 3A (Red) |
| Medium high | 5D, 5E, $c, 3B, 3C, 2A, 2B (Orange) |
| Medium low | 4D, 4E, 3D, 2C, 1A, 1B (Yellow) |
| Low | 3E, 2D, 2E, 1C, 1D, 1E (Blue) |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Probability of occurrences** | |  | **Severity** | | | | |
| **Fatal** | **Critical** | **Moderate** | **Minor** | **Insignificant** |
| **likelihood** | **Meaning** | **Value** |
| Frequent | * Risks that occur frequently * Will be continuously experienced unless action is taken. | 5 | 5A | 5B | 5C | 5D | 5E |
| Likely | * Risks that are highly likely to occur * Occurs less frequently of corrective action is taken | 4 | 4A | 4B | 4C | 4D | 4E |
| Occasional | * Occurs sporadically * Discovered through surveillance | 3 | 3A | 3B | 3C | 3D | 3E |
| Seldom | * Unlikely to occur * Rarely reported | 2 | 2A | 2B | 3B | 2D | 2E |
| Improbable | * Highly unlikely to occur * Never previously reported | 1 | 1A | 1B | 1A | 1D | 1E |