**Risk Matrix**

**Severity**

**Probability**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **1 - Insignificant** | **2 - Minor** | **3 - Major** | **4 - Severe** |
| **4 - Almost Certain** | **Medium 4** | **High 8** | **Extreme 12** | **Extreme 16** |
| **3 - Likely** | **Medium 3** | **Medium 6** | **High 9** | **Extreme 12** |
| **2 - Unlikely** | **Low 2** | **Medium 4** | **Medium 6** | **High 8** |
| **1 - Rare** | **Low 1** | **Low 2** | **Medium 3** | **Medium 4** |

**Probability** pertains to the extent of how likely it is for the risk to occur.

The 4 risk rating levels for this component are:

1. **Rare** – unlikely to happen or has never happened.
2. **Unlikely** – has the possibility to happen or has happened at least once.
3. **Likely** – almost sure to happen or has happened multiple times.
4. **Almost certain** – sure to happen or has happened frequently.

**Severity** is to determine the level of effects that the hazard could cause.

The 4 risk rating levels for this component are:

1. **Insignificant** – can cause injuries/illnesses requiring first aid or negligible property damage.
2. **Minor** – can cause moderate injuries/illnesses requiring medical aid or moderate property damage.
3. **Major** – can cause irreversible injuries/illnesses requiring long term aid or serious property damage.
4. **Severe** – can result in a fatality or irreversible property damage.

**Overall Risk Rating**

**Severity x Probability = Overall Risk Rating**

**Low** – no further action needed; proper control measures are in place.

**Medium** – proceed with caution and monitor at regular intervals.

**High** – must be reviewed and reassessed prior to work proceeding.

**Extreme** – work must be stopped until adequate controls have reduced hazard to an acceptable level.