

**The Edge Fabrication Lab**

**Risk Assessment Matrix**

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| **Stage 1: Determine Likelihood:** What is the possibility that the effect will occur? |
| **Likelihood** | **Criteria** | **Description** |
| **Almost certain** | Expected in most circumstances. | The effect is a typical result. |
| **Likely** | Will probably occur in most circumstances. | The effect is known to have occurred previously. |
| **Possible** | Might occur at some time. | The effect could occur or, examples of it happening. |
| **Unlikely** | Could occur at some time. | The effect is not likely to occur or, no examples of it happening before. |
| **Rare** | May occur only in exceptional circumstances. | The effect is practically impossible. |

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| **Stage 2: Determine Consequence:** What will be the expected effect? |
| **Level of Effect:** | **E.G. of each level:** |
| **Insignificant/Acceptable** | No effect or treatment required - or so minor that effect is acceptable. |
| **Minor** | Minor effect or injury - On-site first aid treatment only. |
| **Moderate** | Serious injuries - Injury requiring medical treatment. |
| **Major** | Extensive injury - Requires specialist medical treatment or hospitalisation.  |
| **Catastrophic** | Permanent total disability injury, multiple injuries and death/es. Substantial environmental harm, prosecution/imprisonment. |

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| **Stage 3: Determine the risk score:** |
| **Consequence** |
| **Likelihood** | **Insignificant** | **Minor** | **Moderate** | **Major** | **Catastrophic** |
| **Almost certain** | **3 High** | **3 High** | **4 Extreme** | **4 Extreme** | **4 Extreme** |
| **Likely** | **2 Mod.** | **3 High** | **3 High** | **4 Extreme** | **4 Extreme** |
| **Possible** | **1 Low** | **2 Mod.** | **3 High** | **4 Extreme** | **4 Extreme** |
| **Unlikely** | **1 Low** | **1 Low** | **2 Mod.** | **3 High** | **4 Extreme** |
| **Rare** | **1 Low** | **1 Low** | **2 Mod.** | **3 High** | **3 High** |

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| **Stage 4: Record risk score on the worksheet:** (**Note** – Risk scores have no absolute value and should only be used for comparison and to engender discussion.) |
| **Score** | **Action** |
| **4E: Extreme** | ***DO NOT PROCEED.*** Requires immediate attention. Introduce further high-level controls to lower the risk level. Re-assess before proceeding.  |
| **3H: High** | *Review before commencing work.* Introduce new controls and/or maintain high-level controls to lower the risk level. Monitor frequently to ensure control measures are working. |
| **2M: Mod.** | *Maintain control measures.* Proceed with work. Monitor and review regularly, and if any equipment/people/materials/work processes or procedures change. |
| **1L:** **Low** | *Record and monitor.* Proceed with work. Review regularly, and if any equipment/people/materials/work processes or procedures change. |

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