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| 5x5 Matrix  **THIS 5 x 5 RISK MATRIX is** based on the AS 4360 risk evaluation requirements  It can be used in conjunction with any existing hazard and risk management process such as:   * Hazard / Risk Assessment Register * Project Hazard & Risk Assessment * Safe Work Method Statements * Job Safety Analysis * Crisis and Emergency Response * Incident Investigation | |  | CONSEQUENCE | |  |  |  |  |
|  |  | | C1 - Minor | C2 - Moderate | | C3 - Serious | C4 - Major | C5 - Catastrophic |
| **LIKELIHOOD** | L5-Almost   Certain | | **11** | **16**  Extreme | | **20** | **23**  Medium  High  Extreme  Extreme | **25** |
| L4-Likely  Low | | **7** | **12**  Medium  High | | **17** | **21**  Extreme  Extreme | **24** |
| L3-Possible  Low | | **4**  Medium | **9**  Medium | | **13** | **18**  Extreme  High | **22** |
| L2-Unlikely  Low | | **2**  Low | **5**  Medium | | **10** | **14**  High  Medium | **19** |
| L1-Rare  Low | | **1**  Low | **3**  Low | | **6** | **8**  Medium  Low | **15** |

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| CONSEQUENCE  of an event occurring | **Type of Potential Event (Incidents)** | |  | Note: Damage and other forms of loss will include theft, fire, and damage to vehicles or equipment. | |
| **Injury Harm** | **Environmental Damage** | | | **Property Damage or other forms of loss** |
| C5-Catastrophic | **Life Threatening Event**:  Fatality or significant permanent disability. Prohibition Notice and OHS prosecution likely. | **Major impact** (immediate and/or serious long term harm), high potential for adverse publicity, potential EPA prosecution | | | Significant financial impact   Greater than $1,000, 000 |
| C4-Major | **Potential Life Threatening Event:**  Serious LTI (lost days duration 4 days or more, potential for permanent disability; Potential for OHS prosecution | **Off-site impact and EPA reportable incident;** (off-site = effecting neighbouring property/water), measurable environmental harm penalised by EPA | | | Significant financial impact Between $100,000 to $1, 000, 000 |
| C3-Serious | **Serious Injury Event:**  Lost Time Injury (LTI) potential Injury for 1-3 days;  Medical Treatment Injury (MTI) with work restricted duties; Improvement Notice likely for OHS regulator | **Localised impact = contained within the site boundary:** Reportable to EPA with infringement potential; Reported as Significant Incident (Company) | | | Between $10,000 to $100,000 loss |
| C2-Moderate | **Minor Injury Event:**  Medical Treatment Injury (MTI) with no restricted duties, Technical breach/infringement of OHS Regulation potential for Improvement Notice | **Minor impact** - immediate containment/control, potential harm to environment, clean up required, reportable to EPA with infringement potential. Reported as Significant Incident (Company) | | | Between $1000 to $10,000 loss |
| C1-Minor | **Nil or potential minor injury event:**  No injury likely or potential for minor First Aid Case (FAC). No OHS regulatory breach, Minor illness | **Negligible impact or temporary inconvenience,** not requiring EPA notification | | | Less than $1000 loss |

Likelihood = Probability

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| **LIKELIHOOD** | **Frequency of an Event** |  | **MANANGEMENT RESPONSE (Where relating to a risk for a work task)** | | |  |  |
| L5-Almost Certain | Common or repeating occurrence, most likely |  | **Level of Risk Prior** to control(s) applied | | **Actions to be taken**  Assess/verify proposed hazard controls to be applied in order to reduce residual risk to as low as is practicable | | |
| L4-Likely | Known to occur, or, “it has happened” |  | **20-25** | **Extreme** | **STOP** – analyse work method & ensure substantial safe work controls are determined (i.e. personal locks and permit system) and documented. Final methodology to be authorised by Senior/Responsible Manager. Closely monitor progress & compliance. | | |
| L3-Possible | Could occur |  | **16-19** | **High** | **Formal and approved Work method developed and detailed Job Hazard Analysis** (JHA or similar) documented by Supervisor and confirms person or work crew understand requirements & are competent to implement controls and safely complete the work. Monitor progress & compliance. | | |
| L2-Unlikely | Not likely to occur/remote |  | **9-15** | **Medium** | Documented Safe Work Procedure used (ie Job Hazard Analysis (JHA) or similar is prepared prior to starting work. Supervisor confirms person or work crew understand requirements and implement the hazard control(s). | | |
| L1-Rare | Practically impossible/rare occurrence |  | **1-8** | **Low** | Take 5 or similar used. Supervisor to review work/tasks and discuss at prior to starting task with the person or crew. | | |