

RISK MATRIX

RISK ASSESSMENT CALCULATOR						
Step 1. Part A: Determine Consequences			Part B: Determine Probability			
	PEOPLE CONSEQUENCES	PLANT, PROPERTY, PRODUCTIVITY & ENVIRO CONSEQUENCE		AMOUNT	PROBABILITY	
5	Fatality(s)	Greater than \$1M, extensive permanent impact on operations, environment, major or prolonged disruption to organisation.	5	>5M	Highly Likely – can occur if risk assessment & management not implemented and controlled.	
4	Potential for Permanent Disability, incapacity to return to work	500 – 1M damage and/or large disruption to operation, major environmental impact.	4	500k – 5M	Frequent – Likely to occur.	
3	Could cause extensive injury or disease (LTI)	250 – 500k damage and/or prolonged disruption to operation. Severe environmental impact.	3	250 - 500k	Occasional – May occur occasionally.	
2	Could cause a Medical Treatment Injury (MTI)	100 – 250k damage or production loss, moderate environmental impact.	2	10 – 250k	Rare – Could occur at some time.	
1	Could cause a First Aid Injury (FAI)	Could cause < 100k damage or moderate disruption, minor environmental impact.	1	<10k	Unlikely – May occur only in exceptional circumstances.	
Step 2: Calculate Risk						
CONSEQUENCES		PROBABILITY (the probability of occurrence)				
		Unlikely: extremely rare 1	Rare: could occur at some time 2	Occasional: may occur occasionally 3	Frequent: likely to occur 4	Highly Likely: eminent if not controlled 5
Minor 1 • Damage < \$100k • Worker – FAI • Enviro – minor damage		Low Risk 1	Low Risk 2	Low Risk 3	Moderate Risk 4	Moderate Risk 5
Moderate 2 • Damage 100 – 250k • Worker – MTI • Enviro – moderate/Localised		Low Risk 2	Moderate Risk 4	Moderate Risk 6	High Risk 8	High Risk 10
High 3 • Damage 250 – 500k • Worker – LTI • Enviro – major damage		Low Risk 3	Moderate Risk 6	High Risk 9	Very High Risk 12	Very High Risk 15
Very High 4 • Damage 500 – 5M • Worker – Partial Disability • Enviro – Severe Impact		Moderate Risk 4	High Risk 8	Very High Risk 12	Very High Risk 16	Extreme Risk 20
Catastrophic 5 • Damage >5M • Worker – Fatality(s) • Enviro – long term/permanent damage		Moderate Risk 5	High Risk 10	Very High Risk 15	Extreme Risk 20	Extreme Risk 25