

## RISK ASSESSMENT MATRIX

Reference: HSEQ2.1.1.1

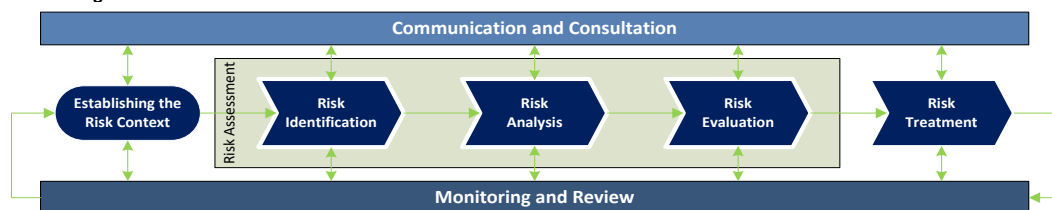
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CONSEQUENCE RANKING						RATING MATRIX						
People Impact	Reputation Impact	Legal Ramifications	Operational Impact	Financial Impact	Environmental Impact		1	2	3	4	5	Ranking
Fatality or multiple major injuries or illness (disabling) requiring hospitalisation	International outrage	Legislation breach, full prohibition notice with regulatory investigation leading to prosecution, fines and class action litigation	Indefinite Delay or Stoppage	> \$50m	Severe environmental harm or contamination resulting in permanent environmental damage. Endangered species and habitat destroyed	Catastrophic	5	10	15	20	25	5
1 major injury or illness (disabling) requiring hospitalisation or multiple serious injuries or illness requiring medical treatment	Serious public and national media outcry	Legislation breach, full prohibition notice with regulatory investigation leading to fines and costly litigation	Greater than 3 months	\$20m to \$50m	Very serious long term environmental harm or contamination that takes years to recover. Damage to protected species or habitat	Major	4	8	12	16	20	4
1 serious injury or illness requiring medical treatment / multiple minor injuries or illness requiring first aid treatment	Significant adverse State Media or public attention. Federal Government scrutiny	Legislation breach with partial prohibition notice with regulatory investigation leading to a possible fine	Between 3 weeks and 3 months	\$1m to \$20m	Significant environmental harm that requires weeks for recovery. Environmental incident involving protected species or habitat	Moderate	3	6	9	12	15	3
1 minor injury or illness requiring first aid treatment or multiple injuries or illness not requiring any first aid treatment	Media attention and heightened concern by local community. State Government scrutiny.	Legislation breach with regulatory intervention with possible improvement notice	Between 1 week and 3 weeks	\$50k to \$1m	Minor transient environmental harm that requires days for recovery. No protected habitat or species affected	Minor	2	4	6	8	10	2
Injury or illness not requiring any first aid treatment	Minor adverse local public or media attention or complaints	Potential legislation breach with no action	No impact or less than 1 week	< \$50k	Minor localised environmental harm rectified within hours. No protected habitat or species affected	Insignificant	1	2	3	4	5	1
Risk Rating	Risk Acceptability	Authority Level for Review	Target Actions		Descriptors	Rare	Unlikely	Possible	Likely	Almost certain		
15 - 25 Very High Risk	Unacceptable	Chief Executive Officer	Risks to be validated by the appropriate GM. Activities with this risk must cease and CEO to be notified. New activities with this risk ranking should not commence		Once the 'consequence' and 'likelihood' ratings have been determined, the 'risk rank' must be determined and be used to prioritise the hazard according to its risk rank.	Highly unlikely, but it may occur in exceptional circumstances. It could happen, but probably never will. (One in 20 to 30 years).	Not expected, but there's a slight possibility it may occur at some time. Could occur within 10 years (One per 10 years).	The event might occur at some time as there is a history of casual occurrence in similar operations. Expected to occur within 3 years (One per 3 years), with no operational mitigation	There is a strong possibility the event will occur as there is a history of frequent occurrence in similar operations. Expected to occur within 12 months (One per 12 months).	The event is expected to occur in most circumstances as there is a history of regular occurrence in similar operations. Expected to occur within 6 months. (One per six months).		
8 - 12 High Risk	Undesirable	Terminal / Senior Manager	Additional controls required to reduce risk – rectify before commencing									
4 - 6 Medium Risk	Tolerable	Shift Manager	Additional control measures should be sought and evaluated to assess their reasonable practicability and their effectiveness									
1 - 3 Low Risk	Broadly Acceptable	Team Leader	Level of risk is broadly acceptable and should be subject to continuous monitoring									

### LIKELIHOOD RANKING

### Risk Management Process



### ALARP Principle (As Low As Reasonably Practicable)

