



WHS-30 Operational Risk Assessment Template (BDOC2013/326)

Last reviewed and updated 27/04/2015 Document Owner: Manager Safety

Operational risk assessment of:

Date of assessment: TRIM no:

Purpose of assessment:

Assessment conducted by: Team Leader: Team Members:

Risk ID	Activity/Job step	Hazard identified	Hazard Outcome	Intrinsic Risk Score (Based on no controls in place; credible worst case scenario)			Current Controls	Residual Risk Score* (With current controls in place)			Is the risk acceptable with the current controls*?	Future planned controls
				Consequence	Likelihood	Risk Score		Consequence	Likelihood	Risk Score		
1	Example: 1. Work involving grinding	1. Use of rotating equipment	1. Serious injury resulting from contact, being struck by objects or entanglement during the operation of rotating equipment (grinder)	4	A	23 Extreme	1. JSEA before commencing work 2. Experienced personnel 3. Guarding in place 4. Correct size grinding wheels used 5. Grinder has been tested and tagged 6. Appropriate PPE provided and used (Face shield and glasses)	4	E	10 Moderate	Yes	No further controls planned

*Residual risk score - consequence: The residual risk consequence score will usually remain unchanged from the intrinsic risk consequence score. Residual risk consequence can only be changed (reduced) if a control is put in place which positively eliminates or isolates the risk eg: an engineering control such a physical disconnection. In this event the consequence score can be moved at least one category down.
 * If residual risk remains High to Extreme - Risk is deemed as unacceptable. This assessment shall be escalated for review by Executive management.
 * If residual risk is decreased becoming Low to Moderate and evaluation determines that no other controls are required, the risk may be deemed as tolerable. Ongoing monitoring is required by Senior Management.

Risk Assessment Evaluation: (To be completed by Team Leader coordinating the risk assessment)
 1. Future planned controls:
 a) Have been entered into GRACE and assigned an Action Officer Yes No N/A
 b) Other follow up mechanisms are in place Yes No N/A
 2. Any newly identified risks not already on the WHS Risk Register have been added to the Register Yes No N/A
 3. The outcome of this risk assessment has been communicated to relevant work groups, site Manager and where applicable Executive Management Yes No

WHS & ENVIRONMENTAL RISK MATRIX

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A) LIKELIHOOD

E Almost certain	Event is expected to occur on a regular basis. Multiple times a year Probability of occurring is greater than 90%
D Likely	Event is expected to occur from time to time At least once per year Probability of occurring is between 60% - 90%
C Possible	Event could occur at some time Once in every 1 - 3 years Probability of occurring is between 40% - 60%
B Unlikely	Event not expected but it is possible that one could occur Once every 3 to 9 years Probability of occurring is between 10% - 40%
A Rare	Event will only occur in exceptional circumstances Once every 10 years or greater Probability of occurring is less than 10%

B) CONSEQUENCE

HEALTH AND SAFETY	
Consequence	Potential consequences (WHS)
5 Severe	Fatality Long term or permanent disabling effects on human health (more than one person)
4 Major	Injuries requiring hospitalisation; Long term or permanent disabling effects on human health (a single person)
3 Moderate	Injury or illness requiring medical treatment; Short term or reversible disabling effect to human health
2 Minor	Injuries requiring first aid treatment; Minor short term inconvenience or symptoms to human health
1 Insignificant	Incident with or without minor injury. No impact on human health

Almost Certain E	Medium	Medium	Very High	Extreme	Extreme
Likely D	Low	Medium	High	Very High	Extreme
Possible C	Low	Low	Medium	High	Very High
Unlikely B	Low	Low	Medium	High	High
Rare A	Low	Low	Medium	Medium	High
	Insignificant 1	Minor 2	Moderate 3	Major 4	Severe 5

ENVIRONMENT	
Consequence	Potential consequences (Environment)
5 Severe	Substantial permanent damage to widespread and sensitive areas.
4 Major	Minor permanent damage with long-term effect on environment
3 Moderate	Widespread temporary damage with extended resources to manage
2 Minor	Localised low level damage and remedied with minimal resources
1 Insignificant	Contained within controls. No measurable impact.

Almost Certain E	Medium	Medium	Very High	Extreme	Extreme
Likely D	Low	Medium	High	Very High	Extreme
Possible C	Low	Low	Medium	High	Very High
Unlikely B	Low	Low	Medium	High	High
Rare A	Low	Low	Medium	Medium	High
	Insignificant 1	Minor 2	Moderate 3	Major 4	Severe 5