

Risk Matrix

STEP 1 – CONSIDER CONSEQUENCES			
What are the consequences of this hazard occurring? Consider what is the most probable consequence (below) with respect to this work hazard.			
	OHS	Environmental	Quality complaint / rework / plant, property damage.
Extreme	Fatality or permanent disability, Life threatening event	Immediate, serious long term harm, high potential for adverse publicity and potential DEHP prosecution	Extreme financial impact > \$500K for actual rework, property / equipment damage, loss
Major	Reported as Lost Time Injury (LTI) (lost days duration 4 days or more, potential for permanent disability); Potential life threatening event, Potential for OHS prosecution	Offsite impact and DEHP reportable incident (offsite = effecting neighbouring property soil, water etc.), Measurable environmental harm penalised by DEHP	Major financial impact between \$50K and \$500K for actual rework, property / equipment damage, loss
Moderate	Injury reported LTI for 1-3 days, Injury as defined for medical lost time injury with restricted duties	Localised impact (contained within the site boundary), Reportable to DEHP with infringement potential, Reported as an significant incident internally	Moderate loss between \$10K and \$50K rework, client complaint
Minor	Injury reported as medical injury, no restricted duties/ lost time, Technical breach/infringement of OHS Regulation	Minor impact - immediate containment/control, Potential harm to environment, some clean up, Reported as an incident internally	Minor between \$1K and \$10K loss or damage, rework, client complaint
Insignificant	Injury reported as First Aid Case, minor illness	Negligible impact or temporary inconvenience, Not requiring DEHP notification, Reported as an minor incident internally	Less than \$1K loss or damage

STEP 2 – CONSIDER LIKELIHOOD (What is the likelihood (below) of the hazard consequence in Step 1 occurring?)	
Almost Certain	Expected to occur in most circumstances/ repeating
Likely	Known to occur, or it has happened
Possible	Could occur
Unlikely	Event could occur at some time
Rare	May occur only in exceptional circumstances/ rare

STEP 3 – CALCULATE RISK					
1. Take Step 1 rating and select the correct column.					
2. Take Step 2 rating and select the correct row.					
3. Use the risk score where the two ratings cross on the matrix below.					
LIKELIHOOD	CONSEQUENCES				
	INSIGNIFICANT	MINOR	MODERATE	MAJOR	EXTREME
Almost Certain	M-15	H-10	E-6	E-3	E-1
Likely	L-19	M-14	H-9	E-5	E-2
Possible	L-22	M-17	M-13	H-8	E-4
Unlikely	L-24	L-21	M-16	M-12	H-7
Rare	L-25	L-23	L-20	L-18	M-11

		Identify the hazards or risks of the work. Assess the likelihood and consequences from the hazards or risks. Control the hazards or risks using control options.
Legend		Control Options
1 – 6 E	Extreme risk, Do not proceed until all hazards are eliminated or reduced to moderate risk.	ELIMINATE - eliminate the process, material or substance completely.
7 – 10 H	High risk, Control measure need to be implemented to reduce risk to moderate.	SUBSTITUTE - replace the process, material, equipment or substance with a safer one. ISOLATE - Isolate the person(s) from the process, material or substance.
11 – 17 M	Moderate risk, Control measures implemented to reduce risk to as low as possible.	ENGINEER - design or re-design the process, plant, equipment or premises.
18 - 25 L	Low risk, Ensure nominated control measures are in place.	ADMINISTRATE - limit exposure to risk - job rotation, procedure, training. PPE - use protective equipment