

RISK ASSESSMENT MATRIX

STEP 1: CONSEQUENCE - the most likely outcome of a potential accident, including injuries, property damage and/or environmental damage				
	Safety	Environment	Security	Property
Catastrophic	One or multiple fatalities. Major fire, explosion or uncontrolled release of toxic gases/substances causing fatality. Multiple breaches of statutory duty. Potential for prosecution and/or operation to be ceased.	<ul style="list-style-type: none"> • Uncontrolled off-site release. • Irreversible or lasting change to the environment. • National / regional media attention. • Legal exposure. 	Major disruption to the operations e.g. Wilful contamination of product or raw materials resulting in major property loss or recall;	<ul style="list-style-type: none"> • Severe property damage and business losses (e.g. explosion) Extensive financial loss, greater than \$1M AUD • Major disruption to operations
Very Serious	Serious or Permanent disabling injury or illness/ occupational disease e.g. amputation, serious burn. Multiple breaches of statutory breaches. Potential for improvement notice to be issued or enforcement action to be taken.	<ul style="list-style-type: none"> • Off-site release (accidental or uncontrolled). • Reversible change to the environment. • Severe or sustained nuisance: community / local media attention. • Non-conformance with regulatory compliance (i.e. breach of licence) or Mondelez environmental standards and policy. 	Significant disruption to operations egg. Wilful contamination of product or raw materials resulting in major property loss or recall;	<ul style="list-style-type: none"> • Substantial financial loss (\$500,000 to \$1M) • Major property damage resulting in loss of business for greater than 1 day
Serious	Lost Time Injury (LTI), injury or illness requiring one or more days away from the workplace as determined by a medical or allied health practitioner e.g. physiotherapist Single breach of statutory duty. Challenging external recommendations.	<ul style="list-style-type: none"> • Internally contained spill requiring external clean-up. • Reversible effects (no sustained harm). • Short term / transient change to the environment. • Neighbour / community concern or complaint. • Excessive resource usage / waste generation outside of specifications (greater than 100%). 	Notable production disruption; egg. breach to integrity of security systems or major breach to food defence requirements	<ul style="list-style-type: none"> • Property damage resulting in some loss of business capability • AU\$5,000 – AU\$50,000 Substantial financial loss \$50,000 to \$500,000
Moderate	Injury or illness requiring medical treatment (MTI) from a doctor or allied health practitioner egg. physiotherapist	<ul style="list-style-type: none"> • On-site spill requiring clean-up. • Very inefficient resource usage / waste generation outside of specifications (greater than 50%) 	Slight production disruption caused by breach in security systems or to food defence requirements	<ul style="list-style-type: none"> • Property damage resulting in moderate loss of capability • Financial loss between \$5,000 and \$50,000
Minor	Injury or illness requiring first aid treatment – minor cuts, bruises, bumps or reports of discomfort	<ul style="list-style-type: none"> • On-site spill contained within a bunded area. • Inefficient resource usage / waste generation outside of specifications (greater than 10%). 	Minor disruption only, petty theft, minor breach to food defence requirements	<p>Losses</p> <ul style="list-style-type: none"> • < AU \$1,000 financial loss (up to \$5,000)

STEP 2: Likely frequency of exposure

Continuous	occurs many times daily
Frequent	approximately once per day
Occasional	between once per week and once per month
Infrequent	between once per month and once per year
Rare	very rarely or has not been known to occur

Before determining likelihood, frequency of exposure should be considered as part of the assessment plus any additional considerations including but not limited to:

- Ability to avoid the hazard egg. Speed and sight distance of approaching vehicle
- Skills training and experience egg. Inexperienced operator
- Available data egg. Past experience of test results
- Quality and extent of existing systems in place to control hazards

STEP 3: Likelihood that consequences will occur once exposed to the hazard

Almost certain	The most likely and expected result if the hazard event takes place
Quite Possible	Quite possible. Would not be unusual, even a 50/50 chance
Unusual, but possible	Unusual but possible sequence or coincidence Under the prevailing conditions an accident or incident could occur but has not occurred in many years
Unlikely	Conceivable but unlikely has never happened after many years of exposure, but is conceivably possible
Practically Impossible	Practically impossible, has never been known to happen before

STEP 4: Determine risk level and assign a priority score

Risk Assessment Matrix

Consequence

		Minor	Moderate	Serious	Very Serious	Catastrophic
Likelihood	Almost Certain	Moderate 11	Moderate 15	High 20	Extreme 23	Extreme 25
	Quite Possible	Moderate 7	Moderate 12	High 17	High 21	Extreme 24
	Unusual But Possible	Low 4	Moderate 8	Moderate 13	High 18	High 22
	Unlikely	Low 2	Low 5	Moderate 9	Moderate 14	High 19
	Practically Impossible	Low 1	Low 3	Low 6	Moderate 10	High 16

Overall risk level

Extreme Risk: Immediate action required, including urgent interim actions e.g. consider if cessation of activity is necessary to ensure safety.

High Risk: Immediate action required, including urgent interim actions.

Moderate Risk: Schedule action, including any interim countermeasures e.g. implement safe work procedures, signage & instructions.

Low Risk: Risk likely to be acceptable, if not plan for corrective action.