

The following table can be used as a guide to estimating and combining the consequences of different impacts of a loss scenario. In this way we can estimate the total impact of an event and determine the appropriate consequence level in the “Risk Matrix”. **NOTE:** The use of the matrix to calculate **injury risk levels** is only appropriate when the likelihoods of an event is appropriately low. Risks with higher likelihoods may not be tolerable. **Injury risks which are not considered tolerable should be reduced to acceptable levels or avoided.**

Consequence Estimation Table

Area of Impact	Consequence Level					
	\$1,000	\$10,000	\$100,000	\$1M	\$10M	\$100M
<p>Injury (Note – Safety risks which are not tolerable should be reduced or avoided at any cost)</p>	<ul style="list-style-type: none"> Minor disabling injuries for <3 days eg sprained ankle First aid treatment NOTE if the likelihood of this consequence is higher than appropriate, the risk may not be tolerable 	<ul style="list-style-type: none"> Minor disabling injuries for > 3 days < 60days Medical treatment required NOTE if the likelihood of this consequence is higher than appropriate, the risk may not be tolerable 	<ul style="list-style-type: none"> Permanent minor injuries Major disabling injuries for > 60 days NOTE if the likelihood of this consequence is higher than appropriate, the risk may not be tolerable 	<ul style="list-style-type: none"> Death Permanent major disabling injuries Multiple permanent minor injuries NOTE if the likelihood of this consequence is higher than appropriate, the risk may not be tolerable 	<ul style="list-style-type: none"> Multiple deaths Multiple permanent major injuries NOTE if the likelihood of this consequence is higher than appropriate, the risk may not be tolerable 	<ul style="list-style-type: none"> Ten's of deaths Ten's of permanent major injuries NOTE if the likelihood of this consequence is higher than appropriate, the risk may not be tolerable
Assets and Profit	Financial loss of \$1000	Financial loss of \$10,000	Financial loss of \$100,000	Financial loss of \$1M	Financial loss of \$10M	Financial loss of \$100M
Community / Reputation / Political	<ul style="list-style-type: none"> Isolated adverse local media reference Public (telephone) complaints General query by a government department 	<ul style="list-style-type: none"> Repeated adverse local media coverage Subject to adverse critical political reference Specific query by government easily answered 	<ul style="list-style-type: none"> Sustained adverse local / national media campaign Subject to political criticism Specific query by government requiring business judgement 	<ul style="list-style-type: none"> Forced shutdown of major project site Extended national adverse media campaign Parliamentary inquiry 	<ul style="list-style-type: none"> Abandonment of project Permanent closure by government Extended international / national adverse media campaign 	<ul style="list-style-type: none"> Major international scandal Collapse of Organisation / Corporation
Environmental	<ul style="list-style-type: none"> Transient situations under control eg. waste material awaiting disposal 	<ul style="list-style-type: none"> Unlicensed and unplanned on-site release immediately contained¹ 	<ul style="list-style-type: none"> Any on-site release contained with outside assistance Unlicensed off-site release with no detrimental effects 	<ul style="list-style-type: none"> Unlicensed off-site release with detrimental effects Unlicensed off-site release with detrimental effects and but no residual impact 	<ul style="list-style-type: none"> Unlicensed toxic release off site with detrimental effects and residual impact Serious breach of License conditions 	<ul style="list-style-type: none"> Major toxic release off site Destruction of a major ecosystem
Legal	Civil claims of \$1,000	<ul style="list-style-type: none"> Corporate fine of \$10,000 Civil claims of \$10,000 	<ul style="list-style-type: none"> Corporate fine of \$100,000 Civil claims of \$100,000 	<ul style="list-style-type: none"> Corporate fine of \$1M Personal fine Civil claims of \$1M 	<ul style="list-style-type: none"> Company officer jailed Corporate fine of \$10M Civil claims of \$10M 	<ul style="list-style-type: none"> Company officers jailed Corporate fine of \$100M Civil claims of \$100M

Risk Matrix

Guide to Likelihood Ratings	Likelihood Rating	Consequence Level					
		\$1,000	\$10,000	\$100,000	\$1M	\$10M	\$100M
This event / scenario is expected to occur in most circumstances whilst doing this or a similar job/activity. Expected about 10 times a year on site.	10 times each year	\$10,000 each year	\$100,000 each year	\$1M each year	\$10M each year	\$100M each year	\$1,000M each year
This event / scenario would be expected to occur on site about once a year. Expected about once a year on site.	Once each year	\$1,000 each year	\$10,000 each year	\$100,000 each year	\$1M each year	\$10M each year	\$100M each year
This event / scenario should occur a few times in your career. Expected about once every 10 years on site. (10% chance of occurring on site every year)	1/10 each year	\$100 each year	\$1,000 each year	\$10,000 each year	\$100,000 each year	\$1M each year	\$10M each year
This event / scenario could occur in your career. Expected about once every 100 years on site. (1% chance of occurring on site every year)	1/100 each year	\$10 each year	\$100 each year	\$1,000 each year	\$10,000 each year	\$100,000 each year	\$1M each year
This event / scenario should occur some where in the world from time to time. Expected about once every 1000 years on site. (0.1% chance of occurring on site every year)	1/1,000 each year	\$1 each year	\$10 each year	\$100 each year	\$1,000 each year	\$10,000 each year	\$100,000 each year
This event / scenario could occur some where in the world during your career. Expected about once every 10,000 years on site. (0.01% chance of occurring on site every year)	1/10,000 each year	\$0 each year	\$1 each year	\$10 each year	\$100 each year	\$1,000 each year	\$10,000 each year

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