



Potential Consequences					Probability				
MRC Score	People (P1)	Property (P2)	Environment (E)	Community (C)	A Almost certain to happen (everyday /weekly event)	B Likely to happen at some point (typically 1 a month)	C Moderate: possible, heard of so might happen (typically 1 a year)	D Unlikely: not likely to happen (typically once every 5 years)	E Rare: practically impossible (typically once every 25 years)
1 Catastrophic impact	Multiple fatalities Major permanent negative health impacts on a large number of people	Unplanned PJC Operations closure Greater than \$10M	Disastrous environmental impact, with long term effect, requiring major remediation, regulatory intervention or premature closure of the operation	Public international condemnation Major breakdown of social order in affected community	1	2	4	7	11
2 Severe negative impact	Single fatality Severe irreversible disability or impairment (PDI)	Could cause major damage \$1M - \$10M	Serious environmental impact, with medium term effect, requiring significant remediation or resulting in prosecution	Loss of community's economic viability Significant damage to reputation of the operations	3	5	8	12	16
3 Major negative impact	Major injury to one or more persons Severe health impacts on a number of people	Could cause major damage \$100K - \$1M	Moderate, reversible environmental impact with short term effect, requiring moderate remediation, such as a reportable incident not likely to result in prosecution, eg a minor water discharge	Significant public criticism, eg community complaints NGO or Media "taking up the issue" Major negative impact on economic viability	6	9	13	17	20
4 Negative impact	Significant reportable injury (MTI, or less than 5 days RWI or LTI) Major impact on health of several people	Could cause moderate damage \$10K - \$100K	Minor, reversible environmental impact, requiring minor remediation such as a non reportable environmental incident, eg a minor oil spill	Flare up of issues in affected communities Media criticism	10	14	18	21	23
5 Minor negative impact	Minor injury Slight negative impact on individual health	Could cause minor damage < \$10K	Negligible, reversible environmental impact, requiring very minor or no remediation	Slight negative impact on individuals in local community	15	19	22	24	25

Risk Classification

High Risk (H)	1 – 10 (Red)
Medium Risk (M)	11 – 19 (Yellow)
Low Risk (L)	20 – 25 (Green)

Classify the Hazard

Catastrophic Hazard	MRC=1	1,2,4,7 (Red)	11 (Yellow)
High Hazard	MRC=2	3,5,8 (Red)	12,16 (Yellow)