

AGENDA
Ok Tedi Mining Limited - General Introduction
Strategic Safety Objectives
Risk Management System Objectives
System Overview
Risk Management System Elements
Risk Management Process
Risk Identification
Risk Analysis
Risk Evaluation
Risk Treatment
Risk Monitoring & Review
Risk Communication & Consultation
Benefits
Future Direction

Safety & Risk Systems

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STEP 2: Risk Analysis - Risk Matrix						
LIKELIHOODS						
Almost Certain (5)	5	10	15	20	25	
Likely (4)	4	8 SIGNIFIC	12 ANT RISK	16	20	
Could Happen (3)	3	6	9	12	15	
Unlikely (2)	2	4 MODER/	6 ATE RISK	8	10	
Rare (1)	1 LOW F	RISK 2	3	4	5	
	Insignificant (1)	Minor (2)	Medium (3)	Major (4)	Catastrophic (5)	
		CO	ISEQUENCE	S		
S = Significant Ris	S = Significant Risk = Yellow Area (S=12 to 8) H = High Risk = Red Area (H=25 to 15)					
L = Low Risk = Blue Area (L=3 to 1) M = Moderate Risk = Green Area (M=6 to 4)						
Modified from AS/NZS 4360:1999						
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	Likelihood Rating Criteria SAFETY & BUSINESS						
SAFETY							
Likelihood Rating	Descriptor	Environment Basis	Time Basis	Frequency			
	Rare	The event may occur only under exceptional conditions.	The event is extremely unlikely at any time.	Frequency less than 1 every 100 years.			
	Unlikely	The event not likely to occur under most conditions.	The event not likely at any time.	Frequency between 0.01 [1 every 100 years] and 0.1 times per year.			
	Could Happen	The event could occur under some conditions.	The event could happen at some time.	Frequency between 0.1 [1 every 10 years] and 1 time per year.			
	Likely	The event will likely to occur under many conditions.	The event is likely to happen at some time.	Frequency between 1 and 10 times per year.			
5	Almost Certain	The event is expected to occur under most conditions.	The event happens often.	Frequency greater than 10 times per year.			
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AFETY			
Safety Consequence Rating	Descriptor	Safety	Occupational Health
	Insignificant	First aid only. No medical treatment.	Minor short term inconvenience or symptoms to one or few individuals
	Minor	Medical treatment requiring hospitalization.	Minor short term inconvenience or symptoms to many individuals.
	Medium	Serious or disabling injury resulting from accident or security occurrence.	Objectionable but reversible impairment to human health.
	Major	Single fatality resulting from accident or security occurrence.	Single fatal or long term or permanently disabling effects on human health.
5	Catastrophic	Multiple fatalities resulting from accident or security occurrence.	Short or long term health effects leading to multiple fatalities.
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Consequences Rating Criteria						
BUSINESS						
Business Consequence Rating	Descriptor	Environment	Outrage	Financial	Business Interruption	
	Insignificant	Minor or no Pollution.	Individual or small group concern.	<us\$1 m<="" td=""><td>< 1 day</td></us\$1>	< 1 day	
	Minor	Some pollution in the short term.	Involves division or all employees.	US\$1 M to US\$7 M	1 to 7 days	
	Medium	Serious pollution E.g. fish kill.	Involves all employees and/or local communities.	US\$8 M to US\$15 M	8 to 15 days	
	Major	Major environmental release – large fish kill.	Province or nation wide significance. Minor international concern.	US\$16 M to US\$30 M	16 to 30 days	
5	Catastrophic	Catastrophic environmental event – toxic river System.	Serious international Significance.	> US\$30 M	> 30 days	
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STE	P 4: Risk Treatment	
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Risk Cascade Signa	ge
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BENEFITS

- Consistent with OTML Charter, Corporate Safety and Environmental Strategy, PNG Regulations and Audit Standards
- Improved business performance through improved knowledge in risk profile and awareness, improved decision making, better budgeting, better communications and integrated continuous risk management capability
- Potential to eliminate "shocks" and their impacts such as catastrophic events, fatalities and equipment damage
- Improve response to problems avoiding "waste of time"
- Numeric approach for risk assessment & treatment implementation progress
- Improve effectiveness of existing controls
- Integration and common understanding of safety, occupational health, environmental, financial, and business risks
- Systematic way of Risk Management

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