



**Risk Consulting Services**

- Risk Facilitation
- Risk Systems Development
- Risk Analysis
- Risk Software
- Risk eProducts

**Pythagorisk Risk Software**

Pythagorisk Pty Ltd have developed a range of Risk Software programs, which are available for customizing, licensing and/or sale.

**Pythagorisk® Business Risk Register –Criteria Guide.**

**Pythagorisk® Business Risk Register –Procedure Template.**

**Pythagorisk® Business Risk Management System Series.**

**Pythagorisk® Hazard Risk Register Series.**

**Pythagorisk® Hazard Risk Management System Series.**

**Pythagorisk® Project Risk Register Series.**

**Pythagorisk™ Business Risk Register**

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TNL Consultants Pty Ltd All Risk Level Report						
RISK OWNER		All Risk Owners				
RISK CLASS		All Risk Classes				
RISK TYPE		All Risk Types				
Pythagorisk™ Project Risk Register [KPI]						
Risk Code	Risk Description	Risk Scenario	Controls Rating	Opportunity Risk Rating	Threat Risk Rating	Uncertainty Rating
DR13	Future expansion	Opportunity to minimize future approval requirements for mine life extension	1	13	25	9
IR03	SLTO during construction	Adverse impacts of construction activities to leading loss of SLTO	9	25	25	4
IR05	Dewatering	Inappropriate dewatering practices leading to environmental contamination & injury	0	25	25	9
IR13	Construction management	Delays to project commissioning & costs	0	25	25	9
DR10	Hazardous material storage	Inadequate design of hazardous storage facilities leading to additional costs	3	25	24	9
DR21	Indigenous heritage	Expansion identifies indigenous heritage sites leading to additional delays, costs and possible redesign	3	25	23	4
DR09	TSF capacity	Not enough capacity to contain the tailings throughout the project leading to additional works & costs in the design phase	3	25	22	4
DR11	Crushing design	Inadequate throughput & product loss leading to reduced production	3	25	21	6

**TNL Consultants Pty Ltd**  
 Individual Risk Form  
 Pythagorisk™ Project Risk Register [KPI]

**Risk Identification**

Risk Code	Risk Scenario	What can happen?	How can it happen?
CR03	LTA planning for social impacts leading to reputational impacts	Damage to social cohesion, community health, local business & economy. Reputation enhancement if done properly.	Dust, noise impacts, decrease in local population due to out migration of work force. Decrease in families & children with potential loss of police & school. Loss of training & employment
Risk ID Source		Risk Owner:	RML
Sarsfield Expansion Project Risk Workshop 12/1/12 (identification and 13/1/12 Analysis (see attendee list)		Risk Type:	Plus Minus
		Risk Class:	Objective 5 Closure

**Risk Analysis**

Likelihood Description	Opportunity Likelihood Rating	Threat Likelihood Rating	Likelihood Confidence Rating		
Possible	3	3	2		
Consequence Description	Opportunity Consequence Rating	Threat Consequence Rating	Consequence Confidence Rating		
Community concern (-ve) Reputation improved (+ve)	Safety & health_improve_5 Proj_cost_dec_5 Social_ben_5 Reputation_enh_3 Environmental_improve_5	Safety & health_5 Proj_cost_inc_5 Regulatory_5 Community_concern_3 Environmental_impact_5	2		
Is Review Active?	Review Date	Controls Rating	Opportunity Risk Rating	Threat Risk Rating	Uncertainty Rating
Active	10/01/2012	3	13	13	4

**Risk Controls**

ControlID	List of Controls	Control Effectiveness	Control Strategy
1	Social impact mgt plan	Planned	Control Planned
2	Mine closure cost model	Partial	Proactive
3	Community engagement	Partial	Proactive

There are 3 controls for this risk.

**PRPL Services**

- Risk Consulting
- Training & Development
- Management Support