



ROCKCRETE
EQUIPMENT(PTY) LTD
Company Reg. No: 1947/24677/07

EXAMINATION RISK ASSESSMENT

**FOR ROCKCRETER
TSL PUMP**

AUGUST 2012

RISK MATRIX

The following risk matrix was adopted to determine risk ratings:

			Likelihood					
			Weekly / Common	Monthly / Has happened	Quarterly / Could Happen	Yearly / Not likely	5 Yearly / Practically Impossible	
			5	4	3	2	1	
Consequence	Financial ↓	Injury ↓						
	R10m	Multiple Fatal	5	25	24	22	19	15
	< R 1m	Fatal	4	23	21	18	14	10
	< R100,000	Serious	3	20	17	13	9	6
	< R10,000	Lost Time	2	16	12	8	5	3
> R1,000	Dressing Station	1	11	7	4	2	1	

Risk Ranking	Hazard	Priority Classification	
High	20 - 25	A	Stop and take immediate action
Medium	11 - 19	B	Fix as soon as reasonably practicable
Low	1 - 10	C	Prepare a schedule and correct accordingly

Risk Register Report

Profile Name: All projects
 Subject Name:: Temporary Support
 Personnel Involved: Shift Supervisor, Miner, Team Leader, Safety Rep, Team Members
 Date:

Number	Profile Risk				Profile Consequence (impact)		Profile Control	
	Risk Description (Hazard combined)	Likelihood	Consequence	Rating	Description	Control Description	Responsible Person	
1	Failure to identify and correctly support domes, dykes, faults, portholes and slips as per specifications	3	3	3	Failure in the event of FOG striking persons	Appoint competent person Appoint responsible person Competencies and training Geological information Miners declarations Planned inspections Planned task observations Pre-shift safety meeting Standards / Procedures		
2	Failure to install a safety net prior to installing temporary support	3	5	22	Fatalities in the event of FOG striking persons	Competencies and training Pre-shift safety meeting Standards / Procedures		
3	Failure to install additional support where adverse ground conditions/geological disturbance exist	3	4	18	Failure in the event of FOG striking persons	Appoint competent person Appoint responsible person Competencies and training Geological information Miners declarations Planned inspections Planned task observations Pre-shift safety meeting Standards / Procedures		
4	Failure to install temporary support as per standard spacing (1m cover)	4	3	17	Failure in the event of FOG striking persons	Appoint competent person Appoint responsible person Competencies and training Planned inspections Planned task observations Pre-shift safety meeting Standards / Procedures		
5	Failure to install temporary support at 90 to the hanging	4	4	21	FOG striking persons (in the event of support failure) with consequential fatalities	Appoint competent person Appoint responsible person Competencies and training Planned inspections Planned task observations Pre-shift safety meeting Standards / Procedures		

Number	Profile Risk				Profile Consequence (impact)		Profile Control	
	Risk Description (Hazard combined)	Likelihood	Consequence	Rating	Description	Control Description	Responsible Person	
6	Failure to install the mechanical prop with release handle facing the direction	4	4	21	Fatalities in the event of FOG striking persons	Appoint competent person		
						Appoint responsible person		
7	Failure to make use of a remote release sling to remove mechanical props	3	4	18	Fatalities in the event of FOG striking persons	Competencies and training		
						Planned inspections		
8	Installing temporary support on top of loose ground	3	4	18	FOG striking persons (in the event of support failure) with consequential fatalities	Planned task observations		
						Pre-shift safety meeting		
9	Persons exposed to dust during the installation of temporary support	4	1	7	Ill health	Standards / Procedures		
						Direct supervision		
10	Persons exposed to FOG while releasing safety net	4	4	21	Fatalities in the event of FOG striking persons	Issue PPE		
						Planned inspections		
10	Persons exposed to FOG while releasing safety net	4	4	21	Fatalities in the event of FOG striking persons	Planned task observations		
						Toolbox talks		
10	Persons exposed to FOG while releasing safety net	4	4	21	Fatalities in the event of FOG striking persons	Competencies and training		
						Pre-shift safety meeting		
10	Persons exposed to FOG while releasing safety net	4	4	21	Fatalities in the event of FOG striking persons	Standards / Procedures		
						Direct supervision		

Number	Profile Risk				Profile Consequence (impact)		Profile Control	
	Risk Description (Hazard combined)	Likelihood	Consequence	Rating	Description	Control Description	Responsible Person	
11	Persons exposed to high temperatures during the installation of temporary support	3	3	13	Fatalities in the event of heat stroke	Appoint competent person		
						Appoint responsible person		
12	Persons exposed to nip points during the installation of temporary support	5	1	11	Injuries	Competencies and training		
						Pre-shift safety meeting		
13	Persons struck by a FOG while installing temporary support	4	4	21	Fatalities in the event of FOG striking persons	Standards/Procedures		
						Ventilation layout & surveys		
14	Persons struck by a FOG while releasing the mechanical prop	4	4	21	Fatalities in the event of FOG striking persons	Direct supervision		
						Issue PPE		
15	Persons struck by mechanical props during the installation of temporary support	5	1	11	Injuries	Planned inspections		
						Planned task observations		
16	Persons taking up unsafe positions while removing mechanical props	3	4	18	Fatalities in the event of FOG striking persons and Persons struck by falling objects with consequential injuries	Toolbox talks		
						Competencies and training		

Number	Profile Risk				Profile Consequence (impact)		Profile Control							
	Risk Description (Hazard combined)	Likelihood	Consequence	Rating	Description	Control Description	Responsible Person							
11	Persons exposed to high temperatures during the installation of temporary support	3	3	13	Fatalities in the event of heat stroke	Appoint competent person								
						Appoint responsible person								
						Competencies and training								
						Pre-shift safety meeting								
						Standards/Procedures								
12	Persons exposed to nip points during the installation of temporary support	5	1	11	Injuries	Direct supervision								
						Issue PPE								
						Planned inspections								
						Planned task observations								
						Toolbox talks								
						Competencies and training								
						Pre-shift safety meeting								
						Standards / Procedures								
						13		Persons struck by a FOG while installing temporary support	4	4	21	Fatalities in the event of FOG striking persons	Appoint competent person	
													Appoint responsible person	
Competencies and training														
Direct supervision														
Pre-shift safety meeting														
Standards / Procedures														
14	Persons struck by a FOG while releasing the mechanical prop	4	4	21	Fatalities in the event of FOG striking persons		Appoint competent person							
						Appoint responsible person								
						Competencies and training								
						Direct supervision								
						Pre-shift safety meeting								
						Standards / Procedures								
						15	Persons struck by mechanical props during the installation of temporary support	5	1	11	Injuries	Direct supervision		
												Issue PPE		
Planned inspections														
Planned task observations														
Toolbox talks														
Competencies and training														
Pre-shift safety meeting														
Standards / Procedures														
16	Persons taking up unsafe positions while removing mechanical props	3	4	18	Fatalities in the event of FOG striking persons and Persons struck by falling objects with consequential injuries	Appoint competent person								
						Appoint responsible person								
						Competencies and training								
						Direct supervision								
						Pre-shift safety meeting								
Standards / Procedures														

Number	Profile Risk				Profile Consequence (impact)		Profile Control	
	Risk Description (Hazard combined)	Likelihood	Consequence	Rating	Description	Control Description	Responsible Person	
17	Persons unaware of geological disturbances while installing temporary support	5	4	23	Fatalities in the event of FOG striking persons	Appoint responsible person		
						Competencies and training		
18	Sub-standard installation of the safety net (inadequate cover provided)	3	4	18	Fatalities in the event of FOG striking persons	Demarcate danger zones		
						Geological information		
19	Sub-standard removal of temporary support – mechanical props	4	4	21	Fatalities in the event of FOG striking persons	Pre-shift safety meeting		
						Standards / Procedures		
20	Sub-standard removal of temporary support – mechanical props	4	4	21	Fatalities in the event of FOG striking persons	Competencies and training		
						Standards / Procedures		