
Risk Register

Scope :	Crushing & Screening Operations
Location :	All Sites
Prepared By :	G Fieldwick
Date reviewed and approved	02/02/2019 Rev 2
Associated documents :	
Mines Work Health and Safety (Supplementary Requirements) Act & Regulations 2012	
Quarry Code of Practice 2019	

	A	B	C	D	E	Hazard Risk Assessment	Probability of Occurrence	Severity of Result
I	25	24	22	19	15	Rating 20 – 25 High Risk	I. The Event Commonly Occurs	A. Catastrophic
II	23	21	18	14	10	Rating 11 – 19 Medium Risk	II. The Event is Known to Occur	B. Major
III	20	17	13	9	6	Rating 1 – 10 Low Risk	III. The Event Could Occur	C. Moderate
IV	16	12	8	5	3		IV. The Event is Unlikely to Occur	D. Minor
V	11	7	4	2	1		V. It is Practically Impossible for the Event to Occur	E. Insignificant

item	Specific Operation or Activity	Potential Hazards/Risks	Uncontrolled Risk Score	Control Measures	Controlled risk score
1.	Establishment and Demobilisation of plant	Road Accident / near miss Plant roll over	23	Competent Personnel Inductions Training - Safe Work Procedures Appropriate licenses Level unloading / loading areas Transport Permits Training – Plant risk assessments	5

2.	Operating Plant Crushing and screening operations	Entrapment/nip points Moving parts Loose material Dust Noise Sharp objects Fire Working at heights Slips trips falls	23	<p>Competent / experienced personnel Fieldwicks induction Site specific induction Training - Safe work procedures Training - Plant risk assessments</p> <p>Prestart plant checks Guarding in place against nip points Scheduled plant servicing Fault reporting database</p> <p>JSA / SWMS</p> <p>Dust suppression Positively pressurized cabs Machine cabs kept clear of dust Operate with windows & doors closed as all times Respiratory Masks Hearing protection</p> <p>Plant isolation points handrails and Emergency stops harnesses gloves manual handling training Keep work area tidy, remove trip hazards</p> <p>Fire extinguishers (checked every 6 months) Machines regularly cleaned of oil/material build up</p>	8
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3.	Maintenance of plant	Dust Chemicals Moving parts/nip points Loose material Dust Working at heights Noise Sharp objects Fire Slips trips falls	23	Competent and qualified maintenance personnel Scheduled servicing Risk assessments / take 5's Fieldwicks induction Site specific induction Training - Safe work procedures Training - Plant risk assessments Guarding in place against nip points Plant isolation and lock out Scheduled plant servicing Fault reporting database Respiratory Masks Eye protection Hearing protection Harnesses handrails and Emergency stops MSDS folder gloves manual handling training Fire extinguishers (checked every 6 months) Machines regularly cleaned of oil/material build up Keep work area tidy, remove trip hazards	8
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4.	Quarry site design	Live faces Unstable floors Unstable benches Overhangs Steep ground Water ingress Plant / vehicle separation	21	Site risk assessment Benches to be formed and free draining Berms Safe batter grades Max 15m benches unless specified otherwise Bunded ramps Safe stable access roads Free draining pits / pumps Quarry traffic control UHF comms inductions	5
5.	Drilling	Uncontrolled drill hole alignment and positioning Undue noise and dust	21	Quarry code of practice June 2017 Drill design Drill pattern marked out Drill equipment well maintained Trained competent driller	5
6.	Blasting	Unqualified personnel Uncontrolled blast management Uncontrolled detonation Incorrect storage and handling	23	Quarry code of practice 2017 Contractor blast management plans Shot firers checklists Trained competent blast contractors	8

7.	Working in and around plant	Plant roll over Collisions Plant personnel interaction	21	Inductions Competent personnel Well maintained equipment Risk assessments Tool box meetings Flashing lights Reversing alarms UHF radio comms	5
8.	Fitness for work	Alcohol and other drug impairment Fatigue related risks Aggravation of pre-existing health issues	21	Pre employment medicals Inductions Random alcohol and drug tests Supervision Training	5