





Job Steps (1)	HAZARD		INITIAL RISK (4)			CONTROLS (5)	RESIDUAL RISK (6)		
	Hazard Description and Effect (2)	Population at Risk (3)	Hazard Severity	Likelihood of Occurrence	Risk Rating	List all Controls Required	Hazard Severity	Likelihood of Occurrence	Risk Rating
Loading/ unloading	Dropping of loads Crush Injury [may be severe, even fatal]. Property damage. Electrocutation. Entrapment / Overturning. Uncontrolled interaction between load and pedestrians. Collisions with other large plant on site. Operators direct field of vision obscured by load leading to contact with other persons or plant. Contact with overhead services. Failure of lifting equipment. Inadequate supervision. Untrained Operatives Unbalanced Loads Use of mobile phones by operators. Tipping of stone	Plant operators  Other workers in the vicinity	■	■	■	[REDACTED]	■	■	■



ACTIVITY DESCRIPTION : Earthworks

ARA Prepared By: [REDACTED]

Date: 24/08/2017



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Excavator, & wheeled excavator lifting activities	<p>Worker being struck by slewing excavator causing crush injury or fatality or Ground workers being struck by material being lifted by excavator causing major injuries. Operators or other plant operators</p> <p>Untrained operators</p> <p>Lifting hooks damaged and safety clips missing</p> <p>Exceeding Safe Working Load as indicated on Machine Speeding</p> <p>Use of mobile phones by operators.</p> <p>Unbalanced loads</p>	Ground Workers & Plant Operators	■	■	■	[REDACTED]	■	■	■

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Lifting equipment	Contact with buildings, construction materials Load moves while slinging Load falls due to improper slinging Sharp-rough edges of objects	operatives	■	■	■	[REDACTED]	■	■	■		







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Abrasive wheels, and power tools	Burst wheel/disc Contact with wheel/disc Entanglement in moving parts Flying particles from fractured wheel/disc Flying particles during cutting or grinding operations Dust Noise Lacerations [may be severe, even fatal] Respiratory problems Dermatitis Noise-induced hearing loss Eye injuries	Plant operators Other workers in the vicinity	■	■	■	[REDACTED]	■	■	■
Work in adverse weather	Falls/ Hit by flying objects	Site personnel	■	■	■	[REDACTED]	■	■	■
Working adjacent to live traffic	Plant/vehicle collision with public vehicle Personnel run over by public vehicles	Site Personnel Members of public	■	■	■	[REDACTED]	■	■	■



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Moving Plant- Dumper, Marooka, roller, site dumper.	Personnel run over by mobile plant causing serious injuries or fatalities, Jeeps and small plant being hit by Dump truck, collisions with other large plant on site, Operators direct field of vision obscured by skip and other blind spots., Flying particles from wheels tracks during operation, Dust, Fire hazard during refuelling. Overturning while tipping loads/ Moving with raised skips, Use of hand held mobile phones by operators, Access and Egress to and from cab, Dirty mirrors, lights and camera lenses covered in mud, Carrying passengers, Parking and dismounting Machine on a slope. Maintenance personnel receive crush injury and burns/scalds while carrying out maintenance work	Site Personnel/ Machine operators	■	■	■	[REDACTED]			■	■	■

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						[REDACTED]	[REDACTED]	[REDACTED]			
Wheeled Excavators on Public Roads	Road Traffic Incident and pedestrians being knocked over. Fatality, serious injury, fire and property damage.	Pedestrians, cyclists, people in vehicles	■	■	■	[REDACTED]	[REDACTED]	[REDACTED]	■	■	■

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Rock breaking	Dust / Noise causing respiratory problems and noise induced hearing loss.	Ground Workers	■	■	■	[REDACTED] [REDACTED] [REDACTED] [REDACTED]	■	■	■