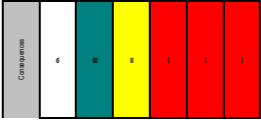


Occupational Health and Safety Baseline risk assessment template													
Business/Operating unit:	INGULA PSS						Department:	OPS		Next Review Date (every 2 years):		Template identifier:	240-70044602
Date:	2020/08/14						Prepared by:	R Meyer		Authorised by:	Name: Romon Meyer Designation: Snr Supervisor Technical Operating Signed: Date: 14 Aug 2020		

Refer to Occupational Health and Safety Risk assessment procedure 32-520

List activity	Activity type (Routine/Non-routine)	Hazard nr	Hazard Identification	Risk Nr	Associated risk	Risk type	Cause(s) of the risk	Exposed group/employees	Risk Owner	Exposure patterns	What are the possible consequences?	Existing Controls	Consequence	Likelihood	Risk Priority Rating	Additional Controls or Tasks Aimed at Improving Existing Controls	Monitoring Mechanisms	Control Owner	Legal and Other Requirements	Target Date	Current Status	Integrated Risk Management (IRM) reference number
List specific activities to be performed taking into consideration the equipment to be used, the personnel involved in the task.	N 1. Routine activities and situations create hazards through day-to-day operations and normal work activities; 2. Non-routine activities	#	Anything with potential to cause of harm. Note: A hazard can pose more than one risk.	#	A chance that injury , ill health or damage could occur as a result of uncontrolled hazard.	Safety or health	What causes the risk to come into effect?	Who is exposed to the hazard i.e. visitors, members of the public, etc.	Who is accountable for making sure the controls and monitors are: - in place, - implemented, - regularly reviewed for effectiveness.	The frequency and duration the person/group is exposed to the hazard e.g. Daily for 3 hrs.	Consider the worse case scenario without controls?	Preventative Controls (controls implemented to eliminate hazards or reduce the likelihood of the risk occurring), and Reactive Controls (controls implemented to reduce the immediate impact of the risk occurring)				RCE Risk Control Effectiveness	How we know if we are succeeding. Include comments on effectiveness. This may include i.e. measurements, inspections, supervision where necessary.	Person allocated the responsibility for implementing the agreed controls	Where relevant, list the relevant legislative and or Eskom requirements that prescribe the control.	Once a date has been agreed to, this can not be changed	Pending, In Progress, Complete	Where applicable, add IRM system reference number for tracking of treatment actions.
Working or walking in the machine hall	No	1	Noise	1	Noise Induced hearing loss	Health	High noise level from running units	Employees/contractors/visitors	Supervisor/Manager	Daily for 2 hrs	LTI	Wearing hearing protection, signage, awareness	4	2	III	F	Task specific risk assessment	Behavioural safety observations, inspections	Managers			
Crane Driving	No	1	Driver competency	1	Injury	Safety	Key not controlled	Employees	Supervisor/Manager	Daily, 1hr	LTI	Key to be controlled by OPS	4	2	III	P	Key controlled using the key book	Behavioural safety observations, inspections	Managers			
	No			2	Damage of equipment	Safety	Incompetent person driving the crane and bumping the equipment	Employees	Supervisor/Manager	Daily, 1hr	cost to repair	Training and Appointment	1	3	III	F	Refresher training	Behavioural safety observations, inspections	Managers			
	No	2	Suspend load	1	Load falling	Safety	Crane failure, load improperly secured	Employees/contractors/visitors	Supervisor/Manager	Weekly, 8 hrs	Fatality, LTI, equipment damage	Load testing, inspections, rigging safety clearance	5	2	II	F	Task specific Risk assessment, pre-work inspections	Behavioural safety observations, inspections	Managers			
	No			2	Struck by	Safety	People around the area where crane movement is taking place	Employees/contractors/visitors	Supervisor/Manager	Weekly, 8 hrs	LTI	Crane driver and the rigger to ensure the area is safe to move the load	4	2	III	F	Task specific Riskassessment	Behavioural safety observations, inspections	Managers			
Crane Maintenance	Yes	1	Use of weights	1	Struck by	Safety	Lifting equipment failure	Employees/contractors	Supervisor/Manager	Yearly, 8hrs	LTI	Barricate the area during the activity, Risk assessment	4	2	III	F	Task specific Risk assessment	Behavioural safety observations, inspections	Managers			
	No	2	Use of tools	1	Tool slipping and hurting your hand	Safety	Improper handling of tools	Employees/Contractors	Supervisor/Manager	Yearly, 8hrs	Medical	Risk assessment, PPE	3	2	III	F	Task specific risk assessment	Behavioural safety observations, inspections	Managers			
	Yes	3	Live ciuits	1	Electrical shock	Safety	Contact with live circuits	Employees	Supervisor/Manager	Yearly, 8hrs	LTI	Isolation for domestic circuit, test before touch	4	2	III	F	Task specific risk assessment	Behavioural safety observations, inspections	Managers			
	No	4	Working at height	1	Falling from height	Safety	Incorrect use of ladder/scaffold	Employees/contractors	Supervisor/Manager	Yearly, 8hrs	Fatality	Training, inspections and safety clearance for working at heights	5	2	II	F	Task specific risk assessment	Behavioural safety observations, inspections	Managers			
	No			2	Striked by falling tools	Safety	Improper handling of tools	Employees/contractors	Supervisor/Manager	Yearly, 8hrs	Medical	Risk assessment, PPE	3	2	III	F	Barricade the work area, strap the tools around the hand/structure	Behavioural safety observations, inspections	Managers			
	No	5	Position of the rigger	1	Inadvertent movement of the load	Safety	Poor coordination between the crane driver and the rigger	Employees/contractors	Supervisor/Manager	Weekly, 4 hrs	Fatality	Training, crane inspections	5	2	II	F	Task specific Risk assessment, Declaration of fitness	Behavioural safety observations, inspections	Managers			
	No																					
Rigging and lifting	No	1	Poor condition of the lifting equipment	1	Load falling	Safety	Loading equipment failure	Employees/contractors	Supervisor/Manager	Weekly, 4 hrs	Fatality	Load testing, Training, inspections, use of correct lifting methods	5	2	II	F	Task specific Risk assessment	Behavioural safety observations, inspections	Managers			
	No	2	Load exceeding lifting equipment capability	1	Load falling	Safety	Under estimation of the load	Employees/contractors	Supervisor/Manager	Weekly, 4 hrs	Fatality	Training, Authorised riggers	5	2	II	F	Task specific Risk assessment	Behavioural safety observations, inspections	Managers			
	No	3	Poor Communication with crane driver	1	Inadvertent movement of the load	Safety	Poor coordination between the crane driver and the rigger	Employees/contractors	Supervisor/Manager	Weekly, 4 hrs	Fatality	Training, Authorised riggers	5	2	II	F	Task specific Risk assessment, Use of two way radios when required	Behavioural safety observations, inspections	Managers			
Driving and Parking	No	1	Driving a vehicle in vicinity of pedestrians	1	Hiting pedestrians	Safety	Reckless driving and lack of concetration	Employees / contractors	Supervisor/Manager	Daily, 8hrs	LTI	Adhere to speed limits, Drivers evaluation, awareness	4	2	III	P	STAR principle	Behavioural safety observations, inspections	Managers			
Handling of nitrogen cylinders	No	1	Cylinders could fall over	1	Hiting person and equipment	Safety	Imptoper handing of cylinders	Employees / contractors	Supervisor/Manager	Weekly, 4hrs	LTI	Training, work according to procedure	4	2	III	P	Nitrogen cylinders to always be chained or tied down to prevent them from falling over	Behavioural safety observations, inspections	Managers			
	No	2	windy conditions when loading, off loading and handling cylinders	1	Hiting person and equipment	Safety	Improper handing of cylinders	Employees / contractors	Supervisor/Manager	Weekly, 4hrs	LTI	Training, work according to procedure	4	2	III	P	Nitrogen cylinders to always be chained or tied down to prevent them from falling over	Behavioural safety observations, inspections	Managers			
Tranportation of Nitrogen	No	1	Improper transporation method	1	Cylinders can fall off	Safety	Improper handing of cylinders	Employees / contractors	Supervisor/Manager	Weekly, 4hrs	LTI	Training, work according to procedure	4	2	III	P	Nitrogen cylinders to always be chained or tied down to prevent them from falling over	Behavioural safety observations, inspections	Managers			
Pushing nitrogen on trolley	No	1	Make use of trolley	1	Cylinders can fall	Safety	Improper handing of cylinders	Employees / contractors	Supervisor/Manager	Weekly, 4hrs	LTI	Training, work according to procedure	3	2	III	P	Nitrogen cylinders to always be chained or tied down to prevent them from falling over	Behavioural safety observations, inspections	Managers			
	No	2	Weight of nitrogen cylinders	1	Cylinders can fall	Safety	Improper handing of cylinders	Employees / contractors	Supervisor/Manager	Weekly, 4hrs	LTI	Training, work according to procedure	3	2	III	P	Nitrogen cylinders to always be chained or tied down to prevent them from falling over	Behavioural safety observations, inspections	Managers			
Low nitrogen levels	No	1	Topping up of nitrogen	1	Asphyxiation	Safety	Exposure to nitrogen gas	Employees / contractors	Supervisor/Manager	Weekly, 4hrs	LTI	Training, work according to procedure	4	2	III	P	Gas tester to be used to ensure oxygen level is maintained during topping up at MIV and Gov.	Behavioural safety observations, inspections	Managers			



R	Safety	1	A	fully effective	1
N	Health	2	B	Mostly effective	2
		3	C	Mostly ineffective	3
		4	D	None	4
		5	E		
		6			