

Business / Operating unit: Drakensberg Pumped Storage Scheme										Department / Area: Machine Hall										Next Review Date (every 2 years): 01-Mar-24										Template Identifier: 240-70044602													
Date: 01-Mar-22										Prepared by: Phiso Mbanjwa, Rita Zimu, Sheshela Rahae, Zandile Muliwa, Zama Makiza, Phumleni Mntshela, Andre Van Tonder, Jeff Phungula, Steven Makoto, Kwamele Nkosi, Tholale Mjilo, Sifiso Dlamini, Siphomandla Kuemena, Charles Wewege, Mulekash Gontso										Authorised by: Name: Maremano Tsotetsi Designation: Plant Manager see 'revision' worksheet for signature										Document Identifier: 31A/2012 Rev: 8										Revision number: 3		Revision date: 31-May-24	
Refer to Occupational Health and Safety Risk assessment procedure 32-820																																											
List activity	Activity type (Routine/Non-routine)	Hazard nr	Hazard Identification	Risk Nr	Associated risk	Risk type	Cause(s) of the risk	OH&S opportunities	Exposed group/ employees	Risk Owner	Exposure patterns	What are the possible consequences?	Existing Controls					RCE Risk Control Effectiveness	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.	Indicate R or N 1. Routine activities and situations create hazards through day-to-day operations and normal work activities; 2. Non-routine activities and situations are occasional or unplanned;	#	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?	OH&S opportunities that can enhance OH&S performance and lead to hazard elimination and risk reduction.	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) Elimination Substitution Engineering controls Administrative controls Personal protective equipment (PPE) NB: The risk shall be evaluated, assessed and rated again once additional controls have been implemented.	Consequence	Likelihood	Risk Priority Rating																											
Working or walking in the machine hall	N	1	Noise	1	Noise induced hearing loss	Health	High noise level from running units	None	Employees/ Contractors/ Visitors	Supervisor/ Manager	Daily for 2 hrs	LTI	Hearing hearing protection, signage, awareness	4	B	II	F	Task specific risk assessment	Behavioural safety observations, inspections	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - Noise Induced Hearing Loss Regulations	None	Complete	None																			
				2	Communication breakdown	Safety	High noise level from running units	None	Employees/ Contractors/ Visitors	Supervisor/ Manager	Daily for 4 hrs	LTI	Two way communication	4	C	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - Noise Induced Hearing Loss Regulations	None	Complete	None																			
Transformer maintenance	R	1	Working at heights	1	Falling from height	Safety	Missing a step while climbing up or down, Not hooded up at height, Equipment falling while climbing up or down	Working at heights rescue training	Employees/ Contractors	Supervisor/ Manager	18 monthly, 3 days	LTI	Working at heights training, Hook up at height, Scaffold/ladder training, inspections, safety clearance for working at heights	4	B	II	F	Task specific risk assessment	Behavioural safety observations, inspections	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - GN R1031 - GSR, 1986	None	Complete	None																			
		2	Working with live circuits	1	Electrocution	Safety	Contact with live circuits	None	Employees/ Contractors	Supervisor/ Manager	18 monthly, 3 days	Fatality	Work Permit, Isolations, test before touch, follow correct procedure, barricade work area	5	B	II	F	Task specific risk assessment	Access control, Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) & Plant Safety Regulations	None	Complete	To be registered on IRM																			
		3	Test equipment and cables on the floor	1	Tripping and falling	Safety	Test equipment and cables on the walkway	None	Employees/ Contractors	Supervisor/ Manager	3 yearly, 6 hours	First Aid	Barricading	2	B	IV	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 - Environmental regulation of Workplaces, 1987/ Facilities Regulations, 2004/ National Building Regulations and Building Standards Act 103 of 1977	None	Complete	None																			
		4	Carrying heavy equipment	1	Back injury	Health	Incorrect position while lifting	Ergonomics risk assessment to be done	Employees/ Contractors	Supervisor/ Manager	18 monthly, 8hrs	LTI	Use of trolleys, following the correct procedure for lifting	4	B	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Basic Conditions of Employment Act & Occupational Health and Safety Act, 1993 (Act No. 85 of 1993, GN R1031 - GSR, 1986, Facilities Regulation 2004	None	Complete	None																			
		5	Use of tools	1	Tool slipping and hurting your hand	Safety	Improper handling of tools	None	Employees/ Contractors	Supervisor/ Manager	18 monthly, 8hrs	Medical	Risk assessment and PPE	3	B	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993, GN R1031 - General Safety Regulations 1986	None	Complete	None																			
		6	Working with electrical cleaner	1	Contact with the chemical	Safety	Chemical splash	None	Employees/ Contractors	Supervisor/ Manager	18 monthly, 8hrs	Medical	PPE, following the correct procedure, Consult SDS	3	B	II	F	Task specific risk assessment	Safety behavioural observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), National Environmental Management, Air Quality Act 39 of 2004.	None	Complete	None																			
		2	Inhaling fumes		Health	Chemical fumes	None	Employees/ Contractors	Supervisor/ Manager	18 monthly, 8hrs	Medical	PPE, following the correct procedure, Consult SDS	3	B	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), National Environmental Management, Air Quality Act 39 of 2004.	None	Complete	None																				
Plugs maintenance	N	1	Live circuits	1	Electrical shock	Safety	Contact with live circuits	None	Employees	Supervisor/ Manager	Six monthly, 8hrs	LTI	Isolation for domestic circuit, test before touch	4	B	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - Plant Safety Regulations	None	Complete	None																			
		2	Use of tools	1	Tool slipping and hurting your hand	Safety	Improper handling of tools	None	Employees/ Contractors	Supervisor/ Manager	Six monthly, 8hrs	Medical	Risk assessment and PPE	3	B	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993, GN R1031 - General Safety Regulations 1986	None	Complete	None																			
PA System testing and repairs	N	1	Working on portable ladders	1	Falling from height	Safety	Incorrect use of the ladder	Working at heights rescue training	Employees/ Contractors	Supervisor/ Manager	Yearly for 2 hours	LTI	Ladder inspection, working at heights training, safety clearance for working at height, two man rule	4	B	II	F	Task specific risk assessment	Safety behavioural observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - GN R1031 - GSR, 1986	None	Complete	None																			
Crane Driving	N	1	Driver competency	1	Injury	Safety	Key not controlled	None	Employees	Supervisor/ Manager	Daily, 1hr	LTI	Key to be controlled by OPS	4	B	II	P	Key controlled using the key book	Monitor key is only issued to authorised craned drivers	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993	None	Complete	None																			
		2	Damage of equipment		Safety	Incompetent person driving the crane and bumping the equipment	None	Employees	Supervisor/ Manager	Daily, 1hr	cost to repair	Crane driving training and Appointment	1	B	II	F	Refresher training	Training records	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993	None	Complete	None																				
		2	Suspended load	1	Load falling	Safety	Crane failure, load improperly secured	None	Employees/ Contractors	Supervisor/ Manager	Weekly, 8 hrs	Fatality, LTI, equipment damage	Load testing, inspections, Rigging training, rigging safety clearance	5	B	I	F	Task specific risk assessment, on-work inspections	Load testing certificates, rigging safety clearance and inspection records	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993, GN R1031 - General Safety Regulations 1986	None	Complete	To be registered on IRM																			
		2	Struck by		Safety	People around the area where crane movement is taking place	None	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	B	II	F	Task specific risk assessment	Safety behavioural observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - GN R1031 - GSR, 1986	None	Complete	None																				
Rigging and lifting	N	1	Poor condition of the lifting equipment	1	Load falling	Safety	Loading equipment failure	None	Employees/ Contractors	Supervisor/ Manager	Weekly, 4 hrs	Fatality	Load testing, Rigging training, inspections, use of correct lifting methods	5	B	I	F	Task specific risk assessment	Inspections, training records, OPG's and Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993, GN R1031 - General Safety Regulations 1986	None	Complete	To be registered on IRM																			
		2	Load exceeding lifting equipment capability	1	Load falling	Safety	Under estimation of the load	None	Employees/ Contractors	Supervisor/ Manager	Weekly, 4 hrs	Fatality	Rigging training, Authorised riggers	5	B	I	F	Task specific risk assessment	Training and Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993, GN R1031 - General Safety Regulations 1986	None	Complete	To be registered on IRM																			
		3	Poor Communication with crane driver	1	Inadvertent movement of the load	Safety	Poor coordination between the crane driver and the rigger	None	Employees/ Contractors	Supervisor/ Manager	Weekly, 4 hrs	Fatality	Rigging training, Authorised riggers	5	B	I	F	Task specific risk assessment, Use of two way radios when required	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993, GN R1031 - General Safety Regulations 1986	None	Complete	To be registered on IRM																			
Maintenance of 380V Board	R	1	Live circuits	1	Electrical shock	Safety	Contact with live circuits	None	Employees	Supervisor/ Manager	18 monthly, 8hrs	LTI	Permit to work, test before touch, Follow correct procedure	4	B	II	F	Task specific risk assessment	Safety behavioural observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) & Plant Safety Regulations	None	Complete	None																			
		2	Working with electrical cleaner	1	Contact with the chemical	Safety	Chemical splash	None	Employees/ Contractors	Supervisor/ Manager	18 monthly, 8hrs	Medical	PPE, following the correct procedure, Consult SDS	3	B	II	F	Task specific risk assessment	Safety behavioural observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), National Environmental Management, Air Quality Act 39 of 2004.	None	Complete	None																			
		2	Inhaling fumes		Health	Chemical fumes	None	Employees/ Contractors	Supervisor/ Manager	18 monthly, 8hrs	Medical	Wearing of the respirator, following the correct procedure, Consult SDS	3	B	II	F	Task specific risk assessment	Safety behavioural observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), National Environmental Management, Air Quality Act 39 of 2004.	None	Complete	None																				
		3	Use of tools	1	Tool slipping and hurting your hand	Safety	Improper handling of tools	None	Employees/ Contractors	Supervisor/ Manager	18 monthly, 8hrs	Medical	Risk assessment and PPE	3	B	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993, GN R1031 - General Safety Regulations 1986	None	Complete	None																			
		4	Working on portable ladders	1	Falling from height	Safety	Incorrect use of the ladder	Working at heights rescue training	Employees/ Contractors	Supervisor/ Manager	18 monthly, 8hrs	LTI	Ladder inspection, working at heights training, safety clearance for working at height, two man rule	4	B	II	F	Task specific risk assessment	Safety behavioural observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - GN R1031 - GSR, 1986	None	Complete	None																			
		5	Carrying heavy equipment	1	Back injury	Health	Incorrect position while lifting	Ergonomics risk assessment to be done	Employees/ Contractors	Supervisor/ Manager	18 monthly, 8hrs	LTI	Use of trolleys, following the correct procedure for lifting	4	B	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Basic Conditions of Employment Act & Occupational Health and Safety Act, 1993 (Act No. 85 of 1993, GN R1031 - GSR, 1986, Facilities Regulation 2004	None	Complete	None																			
		6	Limited space	1	Struck against or struck by	Safety	Components location	Ergonomics risk assessment to be done	Employees	Supervisor/ Manager	18 monthly, 8hrs	Medical	Risk assessment , PPE, Training	3	B	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - GN R1031 - GSR, 1986	None	Complete	None																			
		2	Body Strain		Safety	Ergonomics	Ergonomics risk assessment to be done	Employees	Supervisor/ Manager	18 monthly, 8hrs	Medical	Risk assessment , PPE, Training	3	B	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - GN R1031 - GSR, 1986	None	Complete	None																				
Lighting Maintenance	R	1	Working at heights	1	Falling from height	Safety	Incorrect use of step ladder or using unsafe ladder	Working at heights rescue training	Employees	Supervisor/ Manager	Monthly, 1hr	LTI	Ladder inspections, working at heights training, safety clearance for working at heights	4	B	II	F	Task specific risk assessment	Behavioural safety observations, inspection check sheets, training records	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - GN R1031 - GSR, 1986	None	Complete	None																			
		2	Falling from the man cage		Safety	Tipping of the man cage	Working at heights rescue training	Employees	Supervisor/ Manager	Monthly, 1hr	Fatality	Safety clearance for working at height and use of rope to balance the man cage	5	B	I	F	Task specific risk assessment	Behavioural safety observations and continuous supervision	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993	None	Complete	None																				
		2	Working on live circuits	1	Electric shock	Safety	Contact	None	Employees	Supervisor/ Manager	Monthly, 1hr	LTI	Isolation, test before touch	4	B	II	F	Task specific risk assessment	Behavioural safety observations, training records	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) & Plant Safety Regulations	None	Complete	None																			
		3	Falling equipment and tools	1	Struck by falling tools	Safety	Improper handling of tools	None	Employees	Supervisor/ Manager	Monthly, 1hr	Medical	Risk assessment and PPE	3	B	II	F	Task specific risk assessment, STAR principle	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - GN R1031 - GSR, 1986	None	Complete	None																			
Removing and replacing of the instruments	R	1	Working at height	1	Falling from height	Safety	Incorrect use of ladder	Working at heights rescue training	Employees	Supervisor/ Manager	18 monthly, 8hrs	LTI	Working at heights training, Ladder inspections and safety clearance for working at heights	4	B	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - GN R1031 - GSR, 1986	None	Complete	None																			
		2	Limited space	1	Struck against or struck by	Safety	Components location	None	Employees	Supervisor/ Manager	18 monthly, 8hrs	Medical	Risk assessment , PPE	3	B	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - GN R1031 - GSR, 1986	None	Complete	None																			
		2	Body Strain		Safety	Poor ergonomics	Ergonomics risk assessment to be done	Employees	Supervisor/ Manager	18 monthly, 8hrs	Medical	Risk assessment , PPE	3	B	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - GN R1031 - GSR, 1986	None	Complete	None																				

Use of Drilling machine	N	1	Supporting the work piece by hand	1	Cuts from a swinging work piece	Safety	Not using a holding clamps	None	Employees/ Contractors	Supervisor/ Manager	Weekly,2hrs	LTI	Wearing of hand gloves	4	B	II	F	Use of the clamps or the vice grip. Task specific risk assessment	Safety behavioural observations, Inspections	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 &General Machinery Regulation, 1988 Driven Machinery Regulations, 2015&Electric Machinery Regulation, 2011	None	Complete	None
		2	Flying metal chips	1	Eye injury	Safety	Not wearing appropriate PPE during the activity	None	Employees/ Contractors	Supervisor/ Manager	Weekly,2hrs	LTI	Wearing of goggles, training	4	B	II	F	Task specific risk assessment	Safety behavioural observations, Inspections	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 &General Machinery Regulation, 1988 Driven Machinery Regulations, 2015&Electric Machinery Regulation, 2011	None	Complete	None
		3	Cleaning metal chips with bare hands	1	Cuts	Safety	Cleaning with a hand instead of brush	None	Employees/ Contractors	Supervisor/ Manager	Weekly,2hrs	Medical	Wearing of hand gloves, training, restricted access	3	B	II	F	Task specific risk assessment	Safety behavioural observations, Inspections	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 &General Machinery Regulation, 1988 Driven Machinery Regulations, 2015&Electric Machinery Regulation, 2011	None	Complete	None
Dressing the grinding wheel	R	1	Flying particles	1	Injury from flying pieces of grinding stone	Safety	Flying pieces generated from dressing the wheel	None	Employees	Supervisor/ Manager	Quarterly, 1hr	LTI	Wearing of hand gloves and face shield, training, restricted access	4	B	II	F	Task specific risk assessment	Safety behavioural observations, Inspections	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 &General Machinery Regulation, 1988 Driven Machinery Regulations, 2015&Electric Machinery Regulation, 2011	None	Complete	None
Use of Grinding machine	N	1	Dressing the grinding wheel	1	Injury from flying pieces of grinding stone	Safety	Flying pieces generated from dressing the wheel	None	Employees	Supervisor/ Manager	Quarterly, 1hr	LTI	Wearing of hand gloves and face shield, training	4	B	II	F	Task specific risk assessment	Safety behavioural observations, Inspections	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 &General Machinery Regulation, 1988 Driven Machinery Regulations, 2015&Electric Machinery Regulation, 2011	None	Complete	None
		2	Breaking of grinding stone	1	Injury from flying pieces of grinding stone	Safety	Incorrect grinding method	None	Employees/ Contractors	Supervisor/ Manager	Weekly,2hrs	LTI	Grinding wheel to be secured by guards, PPE, training	4	B	II	F	Task specific risk assessment	Safety behavioural observations, Inspections	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 &General Machinery Regulation, 1988 Driven Machinery Regulations, 2015&Electric Machinery Regulation, 2011	None	Complete	None
		3	Sparks from grinding	1	Eye injury	Safety	Flying sparks from grinding	None	Employees/ Contractors	Supervisor/ Manager	Weekly,2hrs	Medical	Wearing of goggles or face shield	2	B	II	F	Task specific risk assessment	Safety behavioural observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 &General Machinery Regulation, 1988 Driven Machinery Regulations, 2015&Electric Machinery Regulation, 2011	None	Complete	None
Maintenance of DB's	R	1	Live circuits	1	Electrical shock	Safety	Contact with live circuits	None	Employees	Supervisor/ Manager	Six monthly, 8hrs	LTI	Permit to work, test before touch	4	B	II	F	Task specific risk assessment	Safety behavioural observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 & Plant Safety Regulations	None	Complete	None
		2	Use of tools	1	Tool slipping and hurting your hand	Safety	Improper handling of tools	None	Employees	Supervisor/ Manager	Six monthly, 8hrs	Medical	Risk assessment and PPE	3	B	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993, GN R1031 General Safety Regulations 1986	None	Complete	None
		3	Dust	1	Eye injury	Safety	Dust falling from ceiling into eye	None	Employees/ Contractors	Supervisor/ Manager	Six monthly, 8hrs	First Aid	Risk assessment and PPE	2	B	IV	F	Task specific risk assessment, STAR principle	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), National Environmental Management, Air Quality Act 39 of 2004.	None	Complete	None
Cleaning of Floors	N	1	Oily floor	1	Slip and fall	Safety	Oil spill on the floor	None	Employees/ Contractors	Supervisor/ Manager	Weekly for 3 hrs	LTI	Inspection and cleaning	4	B	II	F	Task specific risk assessment	Behavioural safety observations, Plant inspections	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 - National Building Regulations and Building Standards Act 103 of 1977	None	Complete	None
		2	Soapy floor	1	Slip and fall	Safety	Soap and water used for cleaning	None	Employees/ Contractors	Supervisor/ Manager	Daily for 4 hrs	LTI	Signage	4	B	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 - National Building Regulations and Building Standards Act 103 of 1977	None	Complete	None
		3	Dust	1	Eye injury	Safety	Dust created from sweeping	None	Employees/ Contractors	Supervisor/ Manager	Daily for 4 hrs	First Aid	Risk assessment and PPE	2	B	IV	F	Task specific risk assessment, STAR principle	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), National Environmental Management, Air Quality Act 39 of 2004.	None	Complete	None
Use of the Lathe Machine	N	1	Flying metal chips	1	Eye injury	Safety	Not wearing appropriate PPE during the activity	None	Employees/ Contractors	Supervisor/ Manager	Weekly,2hrs	LTI	Wearing of goggles, training	4	B	II	F	Task specific risk assessment	Safety behavioural observations, Inspections	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993, Electrical Machinery Regulations 2011, Driven Machinery Regulations 2015	None	Complete	None
		2	Cleaning metal chips with bare hands	1	Cuts	Safety	Cleaning with a hand instead of brush	None	Employees/ Contractors	Supervisor/ Manager	Weekly,2hrs	Medical	Wearing of hand gloves, training	3	B	II	F	Task specific risk assessment	Safety behavioural observations, Inspections	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993, Electrical Machinery Regulations 2011, Driven Machinery Regulations 2015	None	Complete	None
		3	Rotating machinery	1	Caught by	Safety	Loose Clothing, Jewellery, Long hair	None	Employees/ Contractors	Supervisor/ Manager	Weekly,2hrs	LTI	Training, PPE, risk assessment	4	B	II	P	Task specific risk assessment	Safety behavioural observations, Inspections	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993, Electrical Machinery Regulations 2011, Driven Machinery Regulations 2015	None	Complete	None
Work shop activities	N	1	Use of tools	1	Tool slipping and hurting your hand	Safety	Improper handling of tools	None	Employees/ Contractors	Supervisor/ Manager	Yearly, 8hrs	Medical	Risk assessment and PPE	3	B	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993, GN R1031 General Safety Regulations 1986	None	Complete	None
		2	Use of portable electrical tools	1	Electrical shock	Safety	Contact with live circuits	None	Employees	Supervisor/ Manager	Weekly, 8hrs	LTI	Inspect before use, PPE	4	B	II	F	Task specific risk assessment	Safety behavioural observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 & Plant Safety Regulations	None	Complete	None
				2	Cuts	Safety	Coming into contact with moving parts	None	Employees/ Contractors	Supervisor/ Manager	Weekly,2hrs	LTI	Wearing of hand gloves, training	4	B	II	F	Task specific risk assessment	Safety behavioural observations, Inspections	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993	None	Complete	None
				3	Caught by	Safety	Loose Clothing, Jewellery, Long hair	None	Employees/ Contractors	Supervisor/ Manager	Weekly,2hrs	Medical	Training, PPE, risk assessment	3	B	II	F	Task specific risk assessment	Safety behavioural observations, Inspections	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993	None	Complete	None
		3	Contact with air and fluid under pressure	1	Injury to eye and skin	Safety	Inadvertently coming into contact with air and fluid under pressure and cleaning equipment	None	Employees/ Contractors	Supervisor/ Manager	Weekly 2 hrs	LTI	Risk assessment, PPE& Supervision	4	B	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993	None	Complete	None
		4	Working with electrical cleaner	1	Contact with the chemical	Safety	Chemical splash	None	Employees/ Contractors	Supervisor/ Manager	Weekly 2 hrs	Medical	PPE, following the correct procedure, Consult SDS	3	B	II	F	Task specific risk assessment	Safety behavioural observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), National Environmental Management, Air Quality Act 39 of 2004.	None	Complete	None
				2	Inhaling fumes	Health	Chemical fumes	None	Employees/ Contractors	Supervisor/ Manager	Weekly 2 hrs	Medical	Wearing of the respirator, following the correct procedure, Consult SDS	3	B	II	F	Task specific risk assessment	Safety behavioural observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), National Environmental Management, Air Quality Act 39 of 2004.	None	Complete	None
Painting fumes	N	1	Inhalation of painting fumes	1	Inhalation of painting fumes	Health	Fumes from paint	None	Employees/ Contractors	Supervisor/ Manager	Weekly 2 hrs	Medical	Risk assessment and PPE	3	B	II	F	Task specific risk assessment	Behavioural safety observations, Medical surveillance	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), National Environmental Act, Air Quality Act 39 of 2004	None	Complete	None
Working in the Serpi Nitrogen Panel	N	1	Nitrogen Gas Leak	1	Suffocate	Health	Lack of oxygen	None	Employees/ Contractors	Supervisor/ Manager	5 yearly for 8 hours	Fatality	Gas test to be done upon opening the panel and continuously during the task	5	B	I	F	Task specific risk assessment	Behavioural safety observations and continuous supervision	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 - GN R1031 - G&R, 1996& GN R65 Construction Regulation 2014	None	Complete	To be registered on IRM
Isolations or de-isolations	N	1	Access	1	Tripping and Falling	Safety	Slippery surface, not applying three point contact	None	Employees	Supervisor/ Manager	Quarterly, 1hr	LTI	Risk assessment, Apply three point contact	4	B	II	F	Task specific risk assessment	Behavioural safety observations, continuous supervision	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 - Environmental regulation of Workplaces, 1987&activities Regulations, 2004& National Building Regulations and Building Standards Act 103 of 1977	None	Complete	None
		2	Poor lighting	1	Tripping and Falling, struck against	Safety	Poor visibility	None	Employees	Supervisor/ Manager	Quarterly, 1hr	Medical	Use of torches	3	B	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 - GN R84 Construction Regulations 2014	None	Complete	None
		3	Working at heights	1	Falling from height	Safety	Incorrect use of ladder	Working at heights rescue training	Employees	Supervisor/ Manager	Quarterly, 1hr	LTI	Working at heights training, Ladder inspections and safety clearance for working at heights	4	B	II	F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - GN R1031 - G&R, 1986	None	Complete	None
		4	Isolating/de-isolating electrical supplies	1	Electric shock	Safety	Contact	None	Employees	Supervisor/ Manager	Quarterly, 1hr	LTI	Isolation, test before touch	4	B	II	F	Task specific risk assessment	Behavioural safety observations, training records	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993	None	Complete	None