Business / Operating unit: Drake	ensberg Pumped S	Storage S	cheme		Department / Are	ea: Maci	hine Hall		Occupation	nal Health and	I Safety Baselin	e Risk Assessme	ent					Next Review Date (every	2 years):	01-Mar-24	1 Temp	late identifier	240-7004460
Date	: 01-Mar-22					Rahlao, Z Phumlani	banjwa, Ritta Zimu, Sthembile čandile Mnukwa, Zama Mkhize, i Ntombela, Andre Van Tonder,			Authorised by:	Designation:	Maremane Tsote Plant Manager		]					Document ide	entifier: 31A/		v: 8 rision number Revision date	31-May-2
						Jeff Phun Nkosi, Th Siphamar	ngula, Steven Malatsi, Kwanele nolisile Mjilo, Sifiso Dlamini, ndla Kuenene, Charles Wewege, Goorhoo					see 'revision' work	sheet for signature										
List activity	Activity type (Routine/Non-routine)	Hazard nr	Hazard Identification	Risk Nr	Associated risk	Risk type	Refer to O  Cause(s) of the risk	OHS opportunities	ety Risk asses Exposed group/ employees	sment procedure	22-520 Exposure patterns	What are the possible consequences?	Existing Controls				Additional Controls or Task Aimed at improving Existin Controls	s 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	Indicate R or N		Anything with potential to cause of harm.	#	A chance that	Safety or health	What causes the risk to come into effect?	OH&S opportunities that can	Who is exposed to the hazard i.e.	Who is accountable for	The frequency and duration the	Consider the worse case scenario without	Include:				RCF Include:	How we know if we are succeeding. Include	Person allocated	Where relevant, list the relevant	Once a date	Pending,	Where applicable, ad-
taking into consideration the equipment to be used, the personnel involved in the task.	and situations create hazards through day-to- day operations and normal work activities;		Note: A hazard can pose more than one risk.		injury , ill health or damage could occur as a result of uncontrolled hazard.	neaith	emect?	ennance UH&S performance and lead to hazard elimination and risk reduction.	visitors, members of the public, etc.	making sure the controls and monitors are: • in place, • implemented,	person/group is exposed to the hazard e.g. Daily for 3 hrs.	controls?	Controls implemented to eliminate hazards or reduce the likelihood of the risk occurring), and     Reactive Controls			B.	Risk Control Effectiveness (controls implemented to eliminate hazards or reduce the likelihood of the risk occurring), and - Reactive Controls	comments on effectiveness. This may include i.e. measurements, inspections, supervision where necessary.	responsibility for implementing the agreed controls	legislative and or Eskom requirements that prescribe the control.	agreed to, this can not be changed	Complete	number for tracking o treatment actions.
	Non-routine activities and situations are occasional or unplanned;									<ul> <li>regularly reviewed for effectiveness.</li> </ul>			(controls implemented to reduce the immediate impact of the risk occurring)	ance	78	k Priority Ratio	(controls implemented to reduce the immediate impact of the risk occurring) Elimination						
													Elimination Substitution Engineering controls Administrative controls Personal protective equipment (PPE)	Conseque	Likeliho	Ris	Substitution Engineering controls Administrative controls Personal protective equipment (PPE) NB: The risk shall be evaluated,						
													equipment (PPE)				assessed and rated again once additional controls have been implemented.						
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	Wearing hearing protection, signage, awareness	4	В	Ш	F Task specific risk assessmen	Behavioural safety observations, inspections	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) -	None	Complete	None
				2	Communication	Safety	High noise level from running units	None	Employees/ Contractors/	Supervisor/ Manager	Daily for 4 hrs	LTI	Two way communication	4	С		F Task specific risk assessmen	Behavioural safety	Supervisor/ Manager	Noise Induced Hearing Loss Regulations Occupational Mealth	None	Complete	None
					breakdown				Visitors	Manager								Observations		and Safety Act, 1993 (Act No. 85 of 1993) - Noise Induced Hearing Loss Regulations			
Transformer maintenance	R	1	Working at heights	1	Falling from height	Safety	Missing a step while climbing up or down, Not hooked up at height, Equipment failing 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	4	В	=	F Task specific risk assessmen	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	Heights  Work Permit, isolations, test before touch, follow correct procedure, barricade work area	5	В	-	F Task specific risk assessmen	Access control, Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) & Plant Safety	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, 8 hours	First Aid	Barricading	2	В	IV	F Task specific risk assessmen	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 - Environmental regulation of Workplaces,	None	Complete	None
																				1987&Facilities Regulations, 2004& National Bulding Regulations and Building Standards			
		4	Carrying heavy equipment	1	Back injury	Health	Incorrect position while lifting	Ergomics risk assessment to be done	Employees/ Contractors	Supervisor/ Manager	18 monthly, 8hrs	LTI	Use of trolleys, following the correct procedure for lifting	4	В	Ш	F Task specific risk assessmen	Behavioural safety observations	Supervisor/ Manager	Act 103 of 1977  Basic Conditions of  Employment Act &  Occupational Health  and Safety Act, 1993  (Act No. 85 of 1993;	None	Complete	None
																				GN R1031 GSR 1986; Facilities Regulation 2004			
		Б	Use of tools		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	a T		F Task specific risk assessmen	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	В	Ш	F Task specific risk assessmen	Safety behavioural observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993). National Environmental	None	Complete	None
				2	Inhaling fumes	Health	Chemical fumes	None	Employees/	Supervisor/	18 monthly, 8hrs	Medical	PPE, following the	3	В		F Task specific risk assessmen	Behavioural safety	Supervisor/	Management, Air Quality Act 39 of 2004.	None	Complete	None
					anang union	r visiani i	Griffina Iulias	**WITTED	Contractors	Manager	io monny, one	INDUCATION .	PPE, following the correct procedure, Consult SDS				P Task specific tran associations	observations	Manager	and Safety Act, 1993 (Act No. 85 of 1993). National Environmental Management Air	NA.III	Complexe	14010
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	В	Ш	F Task specific risk assessmen	Behavioural safety observations	Supervisor/ Manager	Quality Act 39 of 2004. Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	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	В	Ш	F Task specific risk assessmen	Behavioural safety observations	Supervisor/ Manager	& Plant Safety Regulations Occupational Health and Safety Act. 1993	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/	Supervisor/	Yearly for 2 hours	LTI	Ladder inspection, working	4	В		F Task specific risk assessmen	Safety behavioural	Supervisor/	(Act No. 85 of 1993; GN R1031 General Safety Regulations 1986 Occupational Health	None	Complete	None
Crane Driving	N	1	Driver competency	1	Injury	Safety	Key not controlled	None	Contractors	Manager Supervisor/	Daily, 1hr	LTI	at heights training, safety clearance for working at height, two man rule Key to be controlled by	4	В	III	P Key controlled using the key	observations  Monitor key is only issued to	Manager Supervisor/	and Safety Act, 1993 (Act No. 85 of 1993) - GN R1031 -GSR, 1986 Occupational Health	None	Complete	None
				2	Damage of equipment	Safety	Incompetent person driving the crane and bumping the equipment	None	Employees	Manager Supervisor/ Manager	Daily, thr	cost to repair	OPS  Crane driving training and Appointment	1	В	Ш	F Refresher training	authorised craned drivers Training records	Manager Supervisor/ Manager	and Safety Act, 1993 (Act No. 85 of 1993 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	В		F Task specific risk assessmen pre-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 R84 Construction Regulation 2014;		Complete	To be registered on IRM
				2	Struck by	Safety	People around the area where orane movement is taking place	None	Employees/ Contractors/	Supervisor/ Manager	Weekly, 8 hrs	LTI	Crane driver and the rigger to ensure the area is safe	4	В	Ш	F Task specific risk assessmen	Safety behavioural observations	Supervisor/ Manager	Driven Machinery Regulation 2015 Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) -	None	Complete	None
Rigging and lifting	N	1	Poor condition of the lifting equipment	1	Load falling	Safety	Loading equipment failure	None	Visitors Employees/ Contractors	Supervisor/ Manager	Weekly, 4 hrs	Fatality	to move the load Load testing, Rigging training, inspections, use of correct lifting methods	5	В	ı	F Task specific risk assessmen	Inspections, training records, OE's and Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993; GN R84 Construction	None	Complete	To be registered on IRM
		2	Load exceeding lifting equipment	1	Load falling	Safety	Under estimation of the load	None	Employees/	Supervisor/	Weekly, 4 hrs	Fatality	Rigging training.	5	В		F Task specific risk assessmen	Training and Behavioural	Supervisor/	Regulation 2014; Driven Machinery Regulation 2015	None	Complete	To be registered on
			capability						Contractors	Manager			Authorised riggers					safety observations	Manager	and Safety Act, 1993 (Act No. 85 of 1993; GN R84 Construction Regulation 2014; Driven Machinery			IRM
		3	Poor Communication with crane driver	1	Inadvertent movement of the load	Safety	Poor coordination between the orane driver and the rigger	None	Employees/ Contractors	Supervisor/ Manager	Weekly, 4 hrs	Fatality	Rigging training, Authorised riggers	5	В	1	F Task specific risk assessmen Use of two way radios when required	, Behavioural safety observations	Supervisor/ Manager	Regulation 2015  Occupational Health and Safety Act, 1993 (Act No. 85 of 1993; GN R84 Construction	None	Complete	To be registered on IRM
																				Regulation 2014; Driven Machinery Regulation 2015			
Maintenance of 380V Board	R		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	В		F Task specific risk assessmen	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	ľ	Contact with the chemical	Safety	Chemical splash	None	Employees/ Contractors	Supervisor/ Manager	18 monthly, 8hrs	Medical	PPE, following the correct procedure, Consult SDS	3	В		F Task specific risk assessmen	Safety behavioural observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993). National Environmental Management. Air	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	3	В		F Task specific risk assessmen	Safety behavioural observations	Supervisor/ Manager	Management, Air Quality Act 39 of 2004. Occupational Health and Safety Act, 1993	None	Complete	None
													procedure, Consult SDS						-	(Act No. 85 of 1993). National Environmental Management, Air Quality Act 39 of 2004.			
		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	В	Ш	F Task specific risk assessmen	Behavioural safety observations	Supervisor/ Manager	2004.  Occupational Health and Safety Act, 1993 (Act No. 85 of 1993; GN R1031 General	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	4	В	Ш	F Task specific risk assessmen	Safety behavioural observations	Supervisor/ Manager	Safety Regulations 1088 Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) -	None	Complete	None
		5	Carrying heavy equipment	1	Back injury	Health	Incorrect position while lifting	Ergomics risk assessment to be done	Employees/ Contractors	Supervisor/ Manager	18 monthly, 8hrs	LTI	height, two man rule  Use of trolleys, following the correct procedure for lifting	4	В	Ш	F Task specific risk assessmen	Behavioural safety observations	Supervisor/ Manager	GN R1031 -GSR, 1088 Basic Conditions of Employment Act & Occupational Health and Safety Act, 1993	None	Complete	None
		6	Limited space	1	Struck against or	Safety	Components location	Ergomics risk assessment to be	Employees	Supervisor/	18 monthly, 8hrs	Medical	Risk assessment , PPE,	3	В	III	F Task specific risk assessmen	Behavioural safety	Supervisor/	(Act No. 85 of 1993; GN R1031 GSR 1986; Facilities Regulation 2004	None	Complete	None
			·		struck by	,		done	,,	Manager			risk assessment , PPE, Training				and the state of t	observations	Manager Manager	and Safety Act, 1993 (Act No. 85 of 1993) - GN R84 Construction Regulations 2014			
				2	Body Strain	Safety	Ergonomics	Ergomics risk assessment to be done	Employees	Supervisor/ Manager	18 monthly, 8hrs	Medical	Risk assessment , PPE, Training	3	В	Ш	F Task specific risk assessmen	Behavioural safety observations	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 - GN R1031 - GSR, 1998 GN R85	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	LΠ	Ladder inspections, working at heights training, rately clearance for	4	В	III	F Task specific risk assessmen	observations, inspection check	Supervisor/ Manager	1998& GN R85 Construction Regulation 2014 Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) -	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 heights  Safety clearance for working at height and use of rope to balance the man	5	В		F Task specific risk assessmen	Behavioural safety observations and continuous supervision	Supervisor/ Manager	(Act No. 85 of 1993) - GN R1031 -GSR, 1988 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	of rope to balance the man cage Isolation, test before touch	4	В	Ш	F Task specific risk assessmen	supervision  Behavioural safety observations, training records	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	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	В	III	F Task specific risk assessmen STAR principle	, Behavioural safety observations	Supervisor/ Manager	& Plant Safety Regulations Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - GN R84 Construction	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	В		F Task specific risk assessmen	Behavioural safety observations	Supervisor/ Manager	GN R84 Construction Regulations 2014 Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - GN R1031 -GSR,	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	В	Ш	F Task specific risk assessmen	Behavioural safety observations	Supervisor/ Manager	1986 Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - GN R84 Construction	None	Complete	None
				2	Body Strain	Safety	Poor ergonomics	Ergomics risk assessment to be done	Employees	Supervisor/ Manager	18 monthly, 8hrs	Medical	Risk assessment , PPE	3	В	Ш	F Task specific risk assessmen	Behavioural safety observations	Supervisor/ Manager	Regulations 2014  Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 -	None	Complete	None
																				GN R1031 - GSR, 1996& GN R85 Construction Regulation 2014			

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Use of Drilling machine	N 1	Supporting the work piece by hand	1 Cuts from a swinging wor	Safety k piece	Not using a holding clamps	None	Employees/ Contractors	Supervisor/ Manager	Weekly,2hrs	LTI	Wearing of hand gloves	4 8	III 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, 2018&Electric Machinery Regulation, 2011	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	III 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, 1998& Driven Machinery Regulations, 2015&Electric Machinery	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	III F	Task specific risk assessment	Safety behavioural observations, inspections	Supervisor/ Manager	Regulation, 2011  Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 & General Machinery Regulation, 1988 & Driven Machinery Regulations, 2015&Electric	Complete	None
Dressing the grinding wheel	R 1	flying particles	1 Injury from fly pieces of grin stone	ying Safety	Flying pieces generated from dressing the wheel	None	Employees	Supervisor/ Manager	Quaterly, 1hr	LTI	Wearing of hand gloves and face shield, training, restricted access	4 B	III F	Task specific risk assessment	Safety behavioural observations, Inspections	Supervisor/ Manager	Machinery Regulation, 2011  Occupational Health and Safety Act, 1993 Act No. 85 of 1993 & Driven Machinery Regulations, 2018 Electric Machinery Regulation, 2011	Complete	None
Use of Grinding machine N	N 1	Dressing the grinding wheel	1 Injury from fly pieces of grin stone	ying Safety ding	Flying pieces generated from dressing the wheel	None	Employees	Supervisor/ Manager	Quaterly, 1hr	LTI	Wearing of hand gloves and face shield, training	4 B	III F	Task specific risk assessment	: Safety behavioural observations, Inspections	Supervisor/ Manager	Occupational Health and Safely Act, 1993 (Act No. 85 of 1993 & Driven Machinery Regulations, 2018&Electric Machinery Regulation, 2011	Complete	None
	2	Breaking of grinding stone	1 Injury from fly pieces of grin stone	ring Safety	Incorrect grinding method	None	Employees/ Contractors	Supervisor/ Manager	Weekly,2hrs	LTI	Grinding wheel to be secured by guards, PPE, training	4 B	III F	Task specific risk assessment	Safety behavioural observations, Inspections	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 & Driven Machinery Regulations, 2015&Electric Machinery	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	III F	Task specific risk assessment	: Safety behavioural observations	Supervisor/ Manager	Regulation, 2011  Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 & Driven Machinery Regulations, 2010&Electric Machinery	Complete	None
Maintenance of D8's	R 1	Live circuits  Use of tools	Electrical sho     Tool slipping hurting your !	and Safety	Contact with live circuits  Improper handling of tools	None	Employees	Supervisor/ Manager Supervisor/ Manager	Six monthly, 8hrs Six monthly, 8hrs	LTI Medical	Permit to work, test before touch  Risk assessment and PPE	4 B	III F	Task specific risk assessment  Task specific risk assessment	Safety behavioural observations     Behavioural safety observations	Supervisor/ Manager Supervisor/ Manager	Regulation, 2011  Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)  & Plant Safety Regulations  Occupational Health and Safety Act, 1993	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	(Act No. 85 of 1993; GN R1031 General Safety Regulations 1986 Occupational Health and Safety Act, 1993 (Act No. 85 of 1993). National Environmental	Complete	None
Cleaning of Floors N	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	III F	Task specific risk assessment	Behavioural safety observations, Plant inspections	Supervisor/ Manager	Management, Air Quality Act 39 of 2004.  Occupational Health and Safety Act, 1993 (Act No. 80 of 11993 - National Bluding Regulations and Building Standards	Complete	None
	2	Scapy floor	1 Sip and fall	Safety	Soap and water used for cleaning	None	Employees/ Contractors	Supervisor/ Manager	Daily for 4 hrs	LTI	Signage	4 B	III F	Task specific risk assessment	Behavioural safety observations	Supervisor/ Manager	Act 103 of 1977  Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 - National Building Regulations and Building Standards Act 103 of 1977	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 8	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.	Complete	None
Use of the Lathe Machine	N 1	Flying metal chips  Cleaning metal chips with bare	1 Eye injury	Safety	Not wearing appropriate PPE during the activity  Cleaning with a hand instead of	None	Employees/	Supervisor/ Manager	Weekly,2hrs	LTI Medical	Wearing of goggles, training  Wearing of hand gloves,	4 B	III F	Task specific risk assessment  Task specific risk assessment	observations, inspections	Supervisor/ Manager  Supervisor/	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993; Electrical Machinery Regulations 2011; Driven Machinery Regulations 2015 Occupational Health None	Complete	None
	3	hands - Rotaling machinery	1 Caught by	Safety	Loose Cicthing, Jewellery, Long	None	Contractors  Employees/	Manager  Supervisor/	Weekly,2hrs	LTI	training Training, PPE, risk	4 B	ш	Task specific risk assessment	observations, Inspections	Manager  Supervisor/	and Safety Act, 1993 (Act No. 85 of 1993; Electrical Machinery Regulations 2011; Driven Machinery Regulations 2015  Occupational Health Occupational Health and Safety Act, 1993	Complete	None
Work shop activities	N 1	Use of tools	1 Tool slipping	and Safety	Improper handling of tools	None	Contractors  Employees/ Contractors	Manager  Supervisor/	Yearly, 8hrs	Medical	Risk assessment and PPE	3 B	III F	Task specific risk assessmen	observations, Inspections  Behavioural safety	Manager  Supervisor/	(Act No. 85 of 1993; Electrical Machinery Regulations 2011; Driven Machinery Regulations 2015	Complete	None
Work shop activities	3	Use of portable electrical tools	hurting your life to the state of the state		Contact with live circuits	None	Employees	Supervisor/ Manager	Weekly, 8hrs	LTI	Inspect before use, PPE	4 B	ш	Task specific risk assessment	observations  Safety behavioural observations	Manager  Supervisor/ Manager	and Safety Act, 1993 (Act No. 85 of 1993). (Art No. 85 of 1993). (SI NRIOSI General Safety Regulations 1998 Occupational Health and Safety Act, 1993 Art No. 85 of 1993) A Plant Safety Regulations	Complete	None
		Contact with air and fluid under	2 Cuts 3 Caught by 1 Injury to eye	Safety Safety and Safety	Coming into contact with moving parts  Loose Clothing, Jewellery, Long hair  Inadvertently coming into contact.	None None	Employees/ Contractors  Employees/ Contractors	Supervisor/ Manager Supervisor/ Manager	Weekly,2hrs Weekly,2hrs Weekly 2 hrs	LTI Medical	Wearing of hand gloves, training  Training, PPE, risk assessment  Risk assessment, PPE&	4 B 3 B	F	Task specific risk assessment  Task specific risk assessment  Task specific risk assessment	observations, Inspections  Safety behavioural observations, Inspections	Supervisor/ Manager  Supervisor/ Manager  Supervisor/	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 Occupational Health and Safety Act, 1993 (Act No. 85 of 1993	Complete  Complete  Complete	None
		Collabor were an and mode under pressure Working with electrical cleaner	1 Contact with chemical		Inadvertently coming into contact with air and fluid under pressure and cleaning equipment  Chemical splash	None	Employees/ Contractors  Employees/ Contractors	Supervisor/ Manager Supervisor/ Manager	Weekly 2 hrs	Medical	Risk assessment, PPE& Supervision  PPE, following the correct procedure, Consult SDS	3 B	III F	Task specific risk assessment	Behavioural safety observations  Safety behavioural observations	Supervisor/ Manager Supervisor/ Manager	Occupational Health and Safely Act, 1993 (Act No. 85 of 1993) Occupational Health and Safely Act, 1993 (Act No. 85 of 1993) National Environmental Environmental Management, Air Quality Act 39 of 2004.	Complete	None
			2 Inhaling fume	es Health	Chemical fumes	None	Employees/ Contractors	Supervisor/ Manager	Weekly 2 hrs	Medical	Wearing of the respirator, following the correct procedure, Consult SDS	3 8	III F	Task specific risk assessment	Safety behavioural observations	Supervisor/ Manager	County Act. 39 of 2004.  Occupational Health and Safety Act, 1993. (Act No. 85 of 1993). National Environmental Management, Air Quality Act. 39 of 2004.	Complete	None
	5	Painting turnes	1 Inhalation of painting fume	Health	Furnes from paint	None	Employees/ Contractors	Supervisor/ Manager	Weekly 2 hrs	Medical	Risk assessment and PPE	3 B	III F	Task specific risk assessment	Behavioural safety observations, Medical surveillance	Supervisor/ Manager	2004.  Occupational Health and Safety Act, 1993 Act No. 86 of 1993. National Environmental Act, Air Quality Act 39 of 2004	Complete	None
Working in the Sergi Nitrogen Panel  Isolations or de-isolations	N 1	Nitrogen Gas Leak  Access	Suffocate     Tripping and	Health Falling Safety	Lack of oxygen  Slippery surface, not applying three point contact	None	Employees/ Contractors	Supervisor/ Manager Supervisor/ Manager	5 yearly for 8 hours  Quarterly, 1hr	Fatality	Gas test to be done upon opening the panel and continously during the task  Risk assessment, Apply three point contact	5 B	II F	Task specific risk assessment  Task specific risk assessment	observations and continuous supervision	Supervisor/ Manager  Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 - GAN R1031 - GSR, 1998& GN R85 Construction Resulution 2014 Occupational Health and Safety Act, 1993	Complete	To be registered on IRM
	3														supervision	a registr	and Safely Act, 1993. (Act No. 85 of 1993 - Environmental regulation of Workplaces, 19978 Facilities, Regulations, 20048. National Building Regulations and Building Standards Act 103 of 1977		
		Poor lightling  Working at heights	Tripping and Falling, struc against      Falling from I		Poor visibility  Incorrect use of ladder	None  Working at heights rescue training	Employees	Supervisor/ Manager  Supervisor/ Manager	Quarterly, 1hr Quarterly, 1hr	Medical  LTI	Use of torches  Working at heights training, Ladder inspections and safety clearance for working at heights	3 B	III F	Task specific risk assessment  Task specific risk assessment	observations	Supervisor/ Manager  Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - GN R84 Construction R84 Construction Cocupational Health and Safety Act, 1993 (Act No. 85 of 1993) - GN R1031 -GSR	Complete	None
	4	Isolating/de-isolating electrical supplies	1 Electric shool	k Safety	Contact	None	Employees	Supervisor/ Manager	Quarterly, 1hr	LTI	Isolation, test before touch	4 B	III F	Task specific risk assessment	Behavioural safety observations, training records	Supervisor/ Manager	1986 Occupational Health and Safety Act, 1993 (Act No. 85 of 1993	Complete	None