

Occupational Health and Safety Baseline risk assessment template											
Business/Operating unit:									Next Review Date (every 2 years):	Template identifier:	
Date:					Authorised by:			Name:	Document identifier		
								Designation:	Revision number:	4	
								Signed:	Revision date:	30-Apr-25	
Refer to Occupational Health and Safety Risk assessment procedure 32-520											
List activity	Hazard Identification	Associated risk	Risk type	What are the possible consequences?	Existing Controls	Consequence	Likelihood	Risk Priority Rating	RCE Risk Control Effectiveness	Control Owner	Legal and Other Requirements
List specific activities to be performed taking into consideration the equipment to be used, the personnel involved in the task.	Anything with potential to cause of harm. <b>Note:</b> 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	Consider the worse case scenario without controls?	Include: - <u>Preventative Controls</u> (controls implemented to eliminate hazards or reduce the likelihood of the risk occurring), and - <u>Reactive Controls</u> (controls implemented to reduce the immediate impact of the risk occurring) <b>Elimination</b> <b>Substitution</b> <b>Engineering controls</b> <b>Administrative controls</b> <b>Personal protective equipment (PPE)</b>					Person allocated the responsibility for implementing the agreed controls	Where relevant, list the relevant legislative and or Eskom requirements that prescribe the control.
1 Cleaning of the turbine side	dust	Irritation of the respiratory tract, pneumoconiosis and ultimately development of silicosis	Health	Irritation of the respiratory tract, pneumoconiosis and ultimately development of silicosis	Preventative and corrective maintenance of the plant. Leaks are identified are defected. Hygiene surveillance, Employees are on medical surveillance, Provision of PPE including Respiratory, goggles	3	C	II	p	Supervisors	OHS Act, Facilities Regulations S8
	Steam leak	Burns	Health	Injuries	relevant PPE is provided to employees.	3	C	II	P	Supervisors	OHS Act, Facilities Regulations S8
	Noise	Noise induced hearing loss	Health	Noise induced hearing loss	Provision of PPE (Ear Plugs, medical screening) and demarcated noise zones.	4	D	I	P	Supervisors	OHS Act, Facilities Regulations S8
	Heat	Sweating, heat exhaustion, dehydration, Hyperthermia and heat stroke	Health	Sweating, heat exhaustion, dehydration, Hyperthermia and heat stroke	Taking of liquids but not controlled. Employees are also taking breaks.	3	B	III	P	Supervisors	OHS Act, Facilities Regulations S8
	Lighting	Eye strain, injuries(trip and fall)	Safety	Eye strain, injuries(trip and fall)	Planned maintenance for rectifying the defects, Safety Representative inspections are conducted on monthly basis to identify defects.	4	B	III	P	Supervisors	OHS Act, Facilities Regulations S8
	Tools (shovels,brooms, mops,feather duster & electric powered machines)	Injuries (cut)	Safety	Injuries	Provision of PPE (gloves, safety boots) Competency for bobcat operators and truck drivers.	2	B	IV	P	Supervisors	OHS Act, Facilities Regulations S8
	Moving objects	Caught between structures that will result in fatal injuries		injuries	Machine guards on equipment. Warning signs are posted. Loose clothing is discouraged while on the plant. Procedure is available. Supervision provided.					Supervisors	OHS Act, Facilities Regulations S8
Manual labour (Physical Ergonomics)	Backache, sprains, Fatigue and/or discomfort. Musculoskeletal disorder.	Health	Backache, sprains, Fatigue and/or discomfort. Musculoskeletal disorder.	Employees are provided with resting period and use of bobcat to remove coal and ash from the plant.	3	B	III	P	Supervisors	OHS Act, Facilities Regulations S8	
2 Cleaning and removal of minor oil Spillages	Cold	Shivering, cold bite then hypothermia	Health	Shivering, cold bite then hypothermia	Warm jackets and other relevant PPE are provided to employees.	4	C	II	P	Supervisors	OHS Act, Facilities Regulations S8
	Noise	Noise induced hearing loss	Health	Noise induced hearing loss	Provision of PPE (Ear Plugs) Medical surveillance is carried on an annual basis. Plant has demarcated noise zones.	4	D	I	P	Supervisors	OHS Act, Facilities Regulations S8
	Heat	Sweating, heat exhaustion, dehydration, Hyperthermia and heat stroke	Health	Sweating, heat exhaustion, dehydration, Hyperthermia and heat stroke	Taking of liquids but not controlled, taking breaks	3	B	III	P	Supervisors	OHS Act, Facilities Regulations S8
	Lighting	Eye strain, injuries(trip and fall)	Safety	Eye strain, injuries(trip and fall)	Planned maintenance for rectifying the defects that were identified. Safety representative inspections are conducted on monthly basis to identify defects.	4	B	III	P	Supervisors	OHS Act, Facilities Regulations S8

	Exposure to manual labour (Physical Ergonomics)	Backache, sprains, Fatigue and/or discomfort. Musculoskeletal disorder.	Health	Backache, sprains, Fatigue and/or discomfort. Musculoskeletal disorder.	Employees are provided with resting period and use of bobcat to remove coal and ash from the plant.	3	B	III	P	Supervisors	OHS Act, Facilities Regulations S8
	Biological hazard	Irritation, Hepatitis A and B	Health	Irritation, Hepatitis A and B	Chemical dosing. Periodic medical screening. Relevant PPE provided.	3	B	III	P	Supervisors	OHS Act, Facilities Regulations S8
	Gases and oil vapours.	Respiratory system infection and disorders. Eye irritation and visibility obscured.	Health	Respiratory system infection and disorders. Eye irritation and visibility obscured.	Provision of PPE (Dust masks). Medical surveillance is carried out on an annual basis. A plan for the re - engineering of the plant.	3	C	II	P	Supervisors	OHS Act, Facilities Regulations S8
	Hazardous oil waste	skin disorders or skin irritation	Health	Skin disorders or skin irritation	Provision of PPE (gloves)	2	B	IV	P	Supervisors	OHS Act, Facilities Regulations S8
<b>3 Cleaning of Hydrogen cubicles</b>	Manual labour (Physical Ergonomics)	Backache, sprains, Fatigue and/or discomfort. Musculoskeletal disorder.	Health	Backache, sprains, Fatigue and/or discomfort. Musculoskeletal disorder.	Employees are provided with resting period in between work.	3	B	III	P	Supervisors	OHS Act, Facilities Regulations S8
	Noise	Noise induced hearing loss	Health	Noise induced hearing loss	Provision of PPE (Ear Plugs, medical screening) and demarcated noise zones	4	D	I	P	Supervisors	OHS Act, Facilities Regulations S8
	Explosions	Injuries and fatalities	Safety	Injuries and fatalities	Provision of proper , toolbox talk, use of only spark free tools in the vicinity, no radios and cellphones	5	B	II	P	Supervisors	OHS Act, Facilities Regulations S8
	Ash dust	Respiratory system infection and disorders. Eye irritation and visibility obscured.	Safety	Respiratory system infection and disorders. Eye irritation and visibility obscured.	Provision of PPE(dust masks, goggles),defect leaks, medical screening	5	B	II	P	Supervisors	OHS Act, Facilities Regulations S8
<b>4 Cleaning of cable channels</b>	Dust	Respiratory system infection and disorders. Eye irritation and visibility obscured.	Health	Respiratory system infection and disorders. Eye irritation and visibility obscured.	Provision of PPE(dust masks, goggles),defect leaks, medical screening	3	C	II	P	Supervisors	OHS Act, Facilities Regulations S8
	Noise	Noise induced hearing loss	Health	Noise induced hearing loss	Provision of PPE (Ear Plugs, medical screening) and demarcated noise zones	4	D	I	P	Supervisors	OHS Act, Facilities Regulations S8
	Ergonomics Manual labour	Crawling into the cable channels, Backache, sprains, Fatigue and/or discomfort. Musculoskeletal disorder	Safety	struck agains the wall resulting in injuries.Backache, sprains, Fatigue and/or discomfort. Musculoskeletal disorder	Employees to be vigilant when entering and exiting cable channel, toolbox talk and risk assesment to be conducted daily.	3	B	III	F	Supervisors	OHS Act, Facilities Regulations S8
	security	attacked by thugs	Health	injuries	Security to continuously check for suspicious behaviors	3	B	III	P	Supervisors	OHS Act, Facilities Regulations S8
	Cold	Skin irritation	Health	Skin irritation that can result with dermatitis.	Provision of PPE and warm jackets.	3	B	III	P	Supervisors	OHS Act, Facilities Regulations S8
<b>9 Pumping of Water flooding at sub-zero</b>	cold	Shivering or hypothermia and cold bites	Health	Shivering, cold bite then hypothermia	Provision of PPE and warm jackets.	3	C	II	p	Supervisors	OHS Act, Facilities Regulations S8
	noise	Noise induced hearing loss	Health	Noise induced hearing loss	Provision of PPE (Ear Plugs, medical screening) and demarcated noise zones	4	D	I	P	Supervisors	OHS Act, Facilities Regulations S8
	Lighting	Sweeting, heat exhaustion, dehydration, Hyperthermia and heat stroke	Health	Sweeting, heat exhaustion, dehydration, Hyperthermia and heat stroke	Taking of liquids but not controlled, taking breaks between work.	3	B	III	P	Supervisors	OHS Act, Facilities Regulations S8
	Ergonomics	Slips, trips and knocking against structures because of poor visibility that will result in injuries.	Safety	Slips, trips and knocking against structures because of poor visibility that will result in injuries.	Planned maintenance for rectifying the defects, Safety representatives' inspection conducted on monthly basis to identify defects.	4	B	III	P	Supervisors	OHS Act, Facilities Regulations S8
	use of portable pump	Backache, sprains, Fatigue and/or discomfort. Musculoskeletal disorder.	Health	Backache, sprains, Fatigue and/or discomfort. Musculoskeletal disorder.	Training must be provided for employees using the pumps.	3	B	III	P	Supervisors	OHS Act, Facilities Regulations S8
	pumping of hot water	burns	Health	Injuries	Provision of PPE, risk assesment before job commense	3	C	II	P	Supervisors	OHS Act, Facilities Regulations S8
	Transportation of pipes to store room	Backache, sprains, Fatigue and/or discomfort. Musculoskeletal disorder	Health	Incorrect handling of the pipes	Provision of PPE (gloves),medical screening, re - engineering of the plant	3	C	II	P	Supervisors	OHS Act, Facilities Regulations S8
<b>13 Floors, stairs, and structure Cleaning</b>	Ergonomics	Backache, sprains, Fatigue and/or discomfort. Musculoskeletal disorder.	Health	Backache, sprains, Fatigue and/or discomfort. Musculoskeletal disorder.	Employees are afforded period for resting	3	B	III	P	Supervisors	OHS Act, Facilities Regulations S8
	fatigued employees	Lack of concentration that could lead to injuries	Safety	Injuries and fatalities	Minimum rest period as per Condition of service	3	B	III	P	Supervisors	OHS Act, Facilities Regulations S8
	Noise	Noise induced hearing loss	Health	Noise induced hearing loss	Provision of PPE (Ear Plugs, medical screening) and demarcated noise zones	4	D	I	P	Supervisors	OHS Act, Facilities Regulations S8
	caught in between	Caught between structures that will result in fatal injuries	Safety	Caught between structures that will result in fatal injuries	Machine guards on equipment. Warning signs are posted. Loose clothing is discouraged while on the plant. Procedure is available. Supervision provided.	5	B	II	P	Supervisors	OHS Act, Facilities Regulations S8
	Exposure to dust	Respiratory system infection and disorders. Eye irritation and visibility obscured.	Health	Respiratory system infection and disorders. Eye irritation and visibility obscured.	Provision of PPE(dust masks, goggles),defect leaks, medical screening	3	C	II	P	Supervisors	OHS Act, Facilities Regulations S8
	slippery surface	Slips, trips and fall that would result in injuries.	Safety	Slips, trips and fall that would result in injuries.	Do proper risk assesment, toolbox talk, use correct ppe and tools correctly.	4	A	IV	P	Supervisors	OHS Act, Facilities Regulations S8
<b>17 Covid 19</b>	Human contact with an infected person	incorrect use of mask,hugging etc	Safety or health	Poor station performance	Provide employees with correct masks	6	E	I	Mostly effective	manager/supervisor	OHS Act, Facilities Regulations S8
	Unhygienic practises (unguarded coughing or sneezing).	ignorant of frequently hand wash	Safety or health	increase number of positive cases	Provide sufficient sanitising stations	6	E	I	Mostly effective	manager/supervisor	OHS Act, Facilities Regulations S8
	Overcrowding	Failure to maintain social distance	Safety or health	deaths and more cases	Limit the number of people on site, implement 1 week on 1 week off	6	E	I	Mostly effective	manager/supervisor	OHS Act, Facilities Regulations S8
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!					#REF!	#REF!