


Occupational Health and Safety Baseline risk assessment template												
Business/Operating unit:	Kusile Power Station Chimney (East and West) Inspections and repairs during outages						Next Review Date (every 2 years):		Template Identifier:			
Date: 2024/05/09				Authorised by:		Name: Pogiiso Mavusa		Document Identifier				
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						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. 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	Consider the worse case scenario without controls?	Include: - 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)							
Inspections and repairs of the smoke stacks	Fly ash	Inhalation, ingestion and eye irritation.	Health	Damage to eye sight and lungs	Safety signs, PPE(hearing protection)	4	D	IV	Fully effective	Plant Inspections, Medical Surveillance Procedure 32-285, Defects Reporting, Tool Box Talks	Responsible manager	
Repairs of the smoke stacks	Defective hand tools	pinch/nip point	Safety	hands injury	Pre-job brief, pre-job inspection, PPE(Gloves), safety signs	2	A	IV	FE	Plant Inspections, SMAT, Planned Task Observations, Incident reporting, Medical Surveillance Procedure 32-285, Defects Reporting, Equipment Inspection, Tool Box Talks,	Responsible manager	
Repairs of the smoke stacks	uneven surfaces	Slips, trips and falls	Safety	Minor Injuries requiring Medical treatment	Safety signs, PPE(safety boots, NON slippery)	4	B	III	FE	Incident reporting, Defects Reporting, Plant Inspections	Responsible manager	
Repairs of the smoke stacks	Unsecured tools	struck by handtools	Safety	Serious injury requiring medical treatment	Safety signs, PPE(safety boots, Hardhat)	4	B	III	FE	Incident reporting, Defects Reporting, Plant Inspections	Responsible manager	
Repairs of the smoke stacks	Elevated positions	falling from heights	Safety	Fatality, serious injury requiring medical treatment	Working at heights training, Safety Harness	4	A	III	ME	Fall Protection Plan, Planned Task Observation, SMAT, Inspections	Responsible manager	
Repairs of the smoke stacks	Noise	NIHL	Health	Noise induced Hearing Loss, Occupational disease with non reversible consequence	PPE(Earplugs), pre-job brief, pre-job inspection	2	B	IV	FE	noise survey, Plant Inspections, Medical Surveillance Procedure 32-285, Defects Reporting tool box talks	Responsible manager	
Inspections and Repairs of the smoke stacks	Restricted work areas	Musco-skeletal injuries.	Safety	Minor injuries requiring medical treatment	Pre-job brief, pre-job inspection, 3-point contact	4	B	III	ME	Medical Surveillance Procedure 32-285, Ergonomic Surveys, Tool Box Talks	Responsible manager	
Inspections and Repairs of the smoke stacks	Suspended material/equipment	struck by	Safety	Serious injury requiring medical treatment, fatality	Pre-job inspection, pre-job brief, Warning signs	1	A	IV	FE	Job observation, toolbox talks	Responsible manager	
Inspections and Repairs of the smoke stacks	Slurry Fumes	inhalation	Health	Minor injuries requiring medical treatment	Pre-job brief, pre-job inspection PPE(Respiratory Mask)	3	C	II	ME	Medical Surveillance Procedure 32-285, Tool Box Talks	Responsible manager	
Driving around on site	driving over the speed limit	Collision with moving machinery ,equipment, structures and other vehicles	Safety	fatality, serious injury requiring medical treatment , MVA, property damage	Road signs	4	A	III	ME	Job observation, incident reporting	Responsible manager	
Inspection and Repairs	Lighting inside the chimney and inside the flue ducts	Slips, trips and falls	Safety	Minor injuries requiring medical treatment	Pre-job inspection, pre-job brief, Warning signs	2	C	III	Fully effective	Job observation	Responsible manager	
Drone operation	Heavy winds	Crushing and inaccurate pictures or recording	Safety	Drone damage	Pre-job inspections	1	B	IV	Fully effective	Job observation, Plant inspections, SMAT and toolbox talks	Responsible manager	