

## Occupational Health and Safety Ba

Business/Operating unit:	Kusile Power Station:Ablution Facilities During Outages			
Date:	15/01/2025			
Refer to Occupational Health and Safety Risk				
List activity	Hazard Identification	Associated risk	Risk type	What are the possible consequences?
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?

Rigging of Portable Toiletes	Defective hand tools	pinch/nip point	Safety	hands Injury
Rigging of Portable Toiletes	Inaccessible areas/walkways	Ergonomics	Safety	Minor injuries requiring medical treatment
Rigging of Portable Toiletes	slippery surfaces	Slips, trips and falls	Safety	Minor Injuries requiring Medical treatment
Rigging of Portable Toiletes	uneven surfaces	Slips, trips and falls	Safety	Minor Injuries requiring Medical treatment
Rigging of Portable Toiletes	Unsecured tools	struck by handtools	Safety	Serious injury requiring medical treatment
Rigging of Portable Toiletes	Elevated positions	falling from heights	Safety	Fatality, serious injury requiring medical treatment
Rigging of Portable Toiletes	Restricted workspaces	Musco-skeletal injuries.	Safety	Minor injuries requiring medical treatment
Rigging of Portable Toiletes	Manual handling	Muscle strain/back trauma, hand injuries	Health	Serious injury requiring medical treatment
Rigging of Portable Toiletes	extreme weather conditions	hear stress, heat stroke, cold stress	Health	Long term health complications
Cleaning of Portable Toiletes	0	0	0	0

Cleaning of Portable Toilets	Vibration	Internal organ damage. Hand Arm vibration syndrome	Safety	Injury, long term-health complications
Cleaning of Portable Toilets	Noise	NIHL	Health	Noise induced Hearing Loss, Occupational disease with non reversible consequence
Cleaning of Portable Toilets	Sharp rotating equipment	Entanglement, caught between Nip points	Safety	Serious injury requiring medical treatment, fatality
Cleaning of Portable Toilets	inaccessible work areas	slip,trip and fall	Safety	Minor Injuries requiring Medical treatment
Cleaning of Portable Toilets	Restricted work areas	Musco-skeletal injuries.	Safety	Minor injuries requiring medical treatment
Cleaning of Portable Toilets	defected hand tools	hand injuries, nip point/pinch point	Safety	Serious injury requiring medical treatment
Cleaning of Portable Toilets	vibrating handtools	Internal organ damage. Hand Arm vibration syndrome	Safety	Serious injury requiring medical treatment, fatality
Cleaning of Portable Toilets	Suspended material/equipment	struck by	Safety	Serious injury requiring medical treatment, fatality

Cleaning of Portable Toilets	Tight locking pins	Nip/pinch point	Safety	hands Injury
Cleaning of Portable Toilets	vibration	Internal organ damage. Hand Arm vibration syndrome	Safety	serious injury
Sewage Draining and Disposal				
Collision with moving machinery ,equipment, structures and other vehicles	Ash dust	Eye contact with ash dust	Safety	Eye irritation or infection
Loading of Portable Toilets	faulty machinery	buried alive	Safety	fatality
Driving				
Driving in the premises of the Power Station	driving over the speed limit	Collision with moving machinery ,equipment, structures and other vehicles	Safety	fatality, serious injury requiring medical treatment , MVA, property damage
driving of Honey suck Truck	excessive dust	Collision with moving machinery ,equipment, structures and other vehicles	Safety	fatality, serious injury requiring medical treatment , MVA, property damage
driving of Honey suck Truck	Moving machinery	Collision with moving machinery ,equipment, structures and other vehicles and personnel	Safety	fatality, serious injury requiring medical treatment , MVA, property damage
driving of Honey suck Truck	wet, slippery surfaces	Overturning	Safety	fatality, serious injury requiring medical treatment , MVA, property damage
driving of Honey suck Truck	water seepage under ash layer	machine sinking	Safety	medical injury, MVA

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Baseline risk assessment							
					Next Review Date (every 2 years):	Template identifier:	
Authorised by:			Name:		Document identifier		
			Designation:		Revision number:	5	
			Signed:		Revision date:	30-Apr-25	
Risk assessment procedure 32-520							
Existing Controls				Risk Priority Rating		Control Owner	Legal and Other Requirements
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)  Elimination Substitution Engineering controls Administrative controls Personal protective equipment (PPE)		Consequence	Likelihood		RCE Risk Control Effectiveness	Person allocated the responsibility for implementing the agreed controls	Where relevant, list the relevant legislative and or Eskom requirements that prescribe the control.

PPE(dust mask, hearing protection), safety signs	3	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
Pre-job inspection, PPE(gloves)	4	B	III	FE	Incident reporting, Defects Reporting, Plant Inspections	Responsible manager
Prohibitory signs	2	B	IV	FE	Job observation, incident reporting	Responsible manager
Safety signs, PPE(safety boots)	4	B	III	FE	Incident reporting, Defects Reporting, Plant Inspections	Responsible manager
Safety signs, PPE(safety boots)	4	B	III	FE	Incident reporting, Defects Reporting, Plant Inspections	Responsible manager
Pre-job inspection, PPE(gloves)	4	A	III	ME	Fall Protection Plan, Planned Task Observation, SMAT, Inspections	Responsible manager
Pre-job brief, PPE(full body harness)	1	A	IV	ME	Medical Surveillance Procedure 32-285, Ergonomic Surveys, Tool Box Talks	Responsible manager
Pre-job brief, pre-job inspection	2	B	IV	FE	Incident reporting, Medical Surveillance Procedure 32-285, Supervision, Tool Box Talks	Responsible manager
Warning signs, pre-job brief, pre-job inspection	4	C	II	FE	Periodic medical screening	Responsible manager
	0	0	0	0	0	0



PPE(dust mask, hearing protection), safety signs	4	A	III	FE	LAR System, Defects reporting, Barricading, Vibration Surveys	Responsible manager
Warning signs, 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
Safety signs, PPE(hearing protection)	4	B	III	FE	LAR System, Planned Task Observation, SMAT, Defects Reporting	OHS Act s8(2)(c) OHS Act s8(2)e GSR 2 ERW 3 & 4 Illumination stress Management work instruction 240-85246142 Ergonomics Management work instruction 240-85428463
Warning signs, No loose clothing/hair, PPE(overalls, 3-point anchor hard hat, gloves)	2	B	IV	FE	Job observation	Responsible manager
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
Prohibitory signs	4	B	III	ME	Plant Inspections, SMAT, Planned Task Observations, Incident reporting, Medical Surveillance Procedure 32-285, Defects Reporting, Equipment Inspection, Tool Box Talks,	Responsible manager
Pre-job inspection, toolbox talk, PPE(gloves)	4	A	III	ME	Job observation, toolbox talks	Responsible manager
Pre-job inspection, pre-job brief, Warning signs	1	A	IV	FE	Job observation, toolbox talks	Responsible manager

Pre-job brief, PPE(3-point anchor hard hat,safety goggles)	2	B	IV	FE	Plant Inspections, SMAT, Planned Task Observations, Incident reporting, Medical Surveillance Procedure 32-285, Deffects Reporting, Equipment Inspection, Tool Box Talks,	Responsible manager
Pre-job inspection, pre-job brief, Warning signs	2	B	IV	FE	LAR System, Defects reporting, Barricading, Vibration Surveys	Responsible manager
Toolbox talk, PPE(safety goggles)	1	A	IV	ME	Plant Inspections, Medical Surveillance Procedure 32-285, Deffects Reporting, Tool Box Talks	Responsible manager
Radio/cellphone contact, Pre-job brief, pre-job instpection, machine checksheets	2	B	IV	FE	Job observation	Responsible manager
Road signs	4	A	III	ME	Job observation, incident reporting	Responsible manager
Dust suppression at intervals, PPE(dust mask, goggles)	1	A	IV	ME	Plant Inspections, Medical Surveillance Procedure 32-285, Deffects Reporting, Tool Box Talks	Responsible manager
5m following distance, 2m clearence from machines	2	B	IV	FE	Plant Inspections, Medical Surveillance Procedure 32-285, , Tool Box Talks	Responsible manager
Continiuos assessment of working area, and re-routing of traffic, Work stoppage	4	B	III	ME	Medical Surveillance Procedure 32-285, , Tool Box Talks	Responsible manager
Continiuos assessment of working area, and re-routing of traffic	2	B	IV	FE	Job observation	Responsible manager

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3	IV	III	II	II	I
2	IV	IV	III	II	II
1	IV	IV	III	III	III
	A	B	C	D	E
	Likelihood				











R	Safety	1	A	Fully effective	I
N	Health	2	B	Mostly effective	II
		3	C	Mostly ineffective	III
		5	E		
		6			