


Occupational Health and Safety Baseli+H7+A3:L31+A3:L11+A3:M11+A3:N31+H+A3:L31											
Business/Operating unit:	KENDAL POWER STATION								Next Review Date (every 2 years):	Template identifier:	
Date: 14-Oct-24					Authorised by:		Name: Phindile Magongwa		Document identifier		
							Designation: Coal Maintenance Manger		Revision number: 5		
							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			Risk Priority Rating		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)	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.
Maintenance and service of coal plant electro hydraulic actuators and Power Packs	Noise	Exposure to excessive noise	Health	Noise induced hearing loss	Communication (hazard awareness),Medical surveillance program, hazard awareness, Personal protective (hearing) ,	3	E	I	Fully effective	Client/ Contractor	OHSA s8(2)(d) ,GMR 3,NIHL Reg 3-13,SANS 10083,
	Coal and Ash Dust	Exposure to Coal and Ash dust	health	Nasal irritation, Occupational disease,Respiratory disease	Communication (hazard awareness), medical surveillance,Training: General Safety, PPECorrect use of PPE	3	D	II	Fully effective	Client/ Contractor	OHSAct sec 13, Hazardous Chemical Substance Regulations, Annexure1,36
	Hand tools, electrical and air impacts Torqueing of bucket bolts	Not using correct tool for the job,incorrect use of equipment	Safety	Hand injuries, electrocution, whiplash injuries	Permit to work risk assesment,use of competent personnel for the job, use of right tool for the job. Awareness training, inspection and maintenance of tools. Correct use of PPE	2	C	III	Fully effective	Client/ Contractor	OHS Act sec 13, General Safety Regulations 2, Electrical machinery regulations, reg 10
	Illumination	Exposure to poor illuminated areas	safety	slip trip and fall Injuries, eye strain	Plan maintenance, illumination survey, Communication (hazard awareness), use of portable lights	2	A	IV	Fully effective	Client/ Contractor	OHS Act sec 13, Environmental Regulations in workplaces Reg 3 , SANS 10114
	Heavy equipment	Employees handling heavy equipment and may have incorrect posture	Safety	back injuries, foot and hand injuries	Use of well maintained and suitable lifting tackle (certified). Pre task risk assesment, Communication (hazard awareness), Medical surveillance program, Training: General Safety, Personal protective	3	B	III	Fully effective	Client/ Contractor	OHSAct sec 13,Environmental Regulations in workplaces, Driven Machinery Regulations 18, Work instruction * 1029635, Ergonomics regulations 2019
	Lifting tackle (slings, coffin hoist)	Equipment can fail	Safety	head and body Injuries , equipment damage	Use of suitable and certified equipment, inspection before use, trained operator, Rigging study/ risk assesment. Barricading of work area to prevent unauthorised access. PPE	4	B	III	Fully effective	Client/ Contractor	OHSAct sec 13,Environmental Regulations in workplaces, Driven Machinery Regulations 18, Work instruction * 1029635, Ergonomics regulations 2019
	Wet or slippery floor conditions	slips and fall	safety	injury, contusion	Cleaning of plant. Communication (hazard awareness),Guarding/barriers/rails ,Training: General Safety,PPE, signage	2	B	IV	Fully effective	Client/ Contractor	OHS Act sec 13, Environmental Regulations in workplaces Reg 6
	Electricity	Possible electrical contact	Safety	Electrical Shock, Fatality	PSR compliance/ Permit to work, Risk Assessment. Communication (hazard awareness),Training: General Safety. Signage and notices	5	B	II	Fully effective	Client/ Contractor	PSR 32-681 EIR (2-9), Electrical Machinery Regulation (2-10),OHSA s8(2)(b,d,e),
	Hazardous substances	Exposure to Hazardous substance handling of the grease and oil	Health	Occupational diseases,eye injuries	Communication (hazard awareness), medical surveillance, MSDS training , PPE	2	C	III	Fully effective	Client/ Contractor	HCSR (2-15),OHSA s8(2)(b,c,d,e),OHS A s13,
	Stairs	Ascending and Descending Stairs, tripping and falling through defective grating	Safety	injuries, Fractures	Plant maintenance and defect reporting, Communication (hazard awareness three point contact), notices and signage,Guarding/barriers/rails ,PPE	3	E	I	Fully effective	Client/ Contractor	OHS Act s13,OHSA s8(2)(b,c,d,e,f),GS R 2B,
									Fully effective		
	Uneven surfaces, gratings,trenches	Slip trip and fall, falling into the trench	Safety	Fracture, injuries, fatality	Plant maintenance,Communication (hazard awareness),Guarding/barriers/rails ,Training: General Safety,PPE, signage and notices	3	E	I	Fully effective	Client/ Contractor	OHS Act s13,OHSA s8(2)(b,c,d,e,f),GM R 3, DMR 2, GSR 2
									Fully effective		
	Emergencies	Employees exposed to emergency situation, such as fire, medical emergency etc	Safety	injuries	Emergency prepadness plan, Communication (hazard awarness) , EPP safety training ,	3	B	III	Fully effective	Client/ Contractor	OHS Act s13,OHSA s8(2)(b,c,d,e,f), ERW ,Kendal EP Plan *1015702, SHE specification
	Incorrect use of working tools	Exposure to Pinch points and cuts as well as struck by the beam	Safety	injuries	use of right tool for the job. Awareness training, inspection and maintenance of tools. Correct use of PPE	3	B	III	Fully effective	Client/ Contractor	OHS Act s13,OHSA s8(2)(b,c,d,e,f), GSR 2
	Heavy plant equipment	Falling equipment leading to Caught by or stuck by incident	Safety	Fracture, injuries	Permit to work,Risk assessment, Use of machanical lifting equipment, use of competent riggers and fitters, Effective communication, use of right tool for the job. Awareness training, Supervision . Correct use of PPE	5	B	II	Fully effective	Client/ Contractor	OHSAct sec 13,Environmental Regulations in workplaces, Driven Machinery Regulations 18, Work instruction * 1029635, Ergonomics regulations 2019
	Tools (falling objects)	struck by falling objects (tools) during Replacement parts	Safety	injuries	Risk assessment, communication where there is work above, use of right tool for the job. Hazard awareness , inspection and maintenance of tools. Good housekeeping practices,Correct use of PPE	4	B	III	Fully effective	Client/ Contractor	OHS Act s13,OHSA s8(2)(b,c,d,e,f), GSR 6
	Moving machinery	Working on a running plant	Safety	injuries	PSR, Permit to work(sunction for test), Risk assesment, work done by competent personnel, supervision,effective communication between the affected parties, use of right tool for the job.Hazard awareness , inspection and maintenance of tools. Correct use of PPE	5	D	I	Fully effective	Client/ Contractor	OHSAct sec8 ,13. General Safety Regulations, 2B, General Machinery Regulations, PSR
	Moving machinery	Caught or hooked by moving machinery during	Health	injuries	PSR, Permit to work(sunction for test), Risk assesment, work done by competent personnel, supervision,effective communication between the affected parties, use of right tool for the job.Hazard awareness , inspection and maintenance of tools. Correct use of PPE	5	B	II	Fully effective	Client/ Contractor	OHSAct sec8 ,13. General Safety Regulations, 2B, General Machinery Regulations, PSR
	moving machinery/ rotational equipment	Getting caught or crushed by moving machinery	Safety	Fatality, Fractures and crushed injuries	PSR, permit to work, Risk assessment , hazard awareness, PPE	5	B	II	Fully effective	Client/ Contractor	OHSAct sec8 ,13. General Safety Regulations, 2B, General Machinery Regulations, PSR