

Business/Operating unit:	Kendal Power Station					SOW: Supply, delivery and installation of Boiler Pneumatic Cylinders			Next Review Date (every 2 years):	Template identifier:	
Date: 21/05/2026				Authorised by:		Name: Tshepo Sethole		Document identifier			
						Designation: Senior Advisor Contracts		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	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: - <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)					Person allocated the responsibility for implementing the agreed controls	Where relevant, list the relevant legislative and or Eskom requirements that prescribe the control.
Driving on site and offsite	Night time driving	Poor visibility, fatigue, poor road surfaces including potholes	Safety	Vehicle accidents which will result in multiple injuries and/or fatalities as well as property damage.	Medical fitness,Awareness during SHEQ meetings/ tool box talks/ lessons learned/ road safety campaigns/ Driver risk evaluation/Defensive & advance driving training , fatigue management/ rest periods/ route risk assessment	4	B	III	Fully effective	Contractor	Road traffic act, OHS Act. Vehicle Safety 240-69946
	Weather conditions , Mist/Fog/heavy rain	Poor visibility and loss of control to the vehicle	Safety	Vehicle accidents which will result in multiple injuries and/or fatalities as well as property damage.	Medical fitness,Awareness during SHEQ meetings/ tool box talks/ lessons learned/ road safety campaigns/ Driver risk evaluation/Defensive & advance driving training, wait up until the mist is clear. Use alternative routes.route risk assessment	4	B	III	Fully effective	Contractor	Road traffic act, OHS Act. Vehicle Safety 240-69946
	Road users, pedestrians and/or stray animals	Struck by, struck against incidents.Loss of control of the vehicles. Driver is negligent or not trained.	Safety	Collision that result in accidents with multiple injuries and/or fatalities.	Medical fitness, Awareness during SHEQ meetings/ tool box talks/ lessons learned/ road safety campaigns/ Driver risk evaluation/Defensive & advance driving training ,route risk assessment	3	B	III	Fully effective	Contractor	Road traffic act, OHS Act. Vehicle Safety 240-69946
	Road conditions, potholes, curves, road construction, road works, bends, steep heels, rail crossings	Loss of control to the vehicle, Not observant of the surroundings. Unfamiliar with the road. Speeding	Safety	Vehicle accidents which will result in multiple injuries and/or fatalities as well as property damage.	Medical fitness, Awareness during SHEQ meetings/ tool box talks/ lessons learned/ road safety campaigns/ Driver risk evaluation/Defensive & advance driving training. Pre inspections, Trip Risk Assessment	3	B	III	Fully effective	Contractor	Road traffic act, OHS Act. Vehicle Safety 240-69946
Loading and Offloading of Boiler Pneumatic Cylinders	Ash Dust	Employees may be exposed to ash dust from the nearing plants or during windy season	Health	Respiratory and lung infections and/or eye irritation	Provide the dust masks FFP2 & FFP3, hazard awarness and induction	3	A	IV	Fully effective	Contractor/Employee	OHSAct sec 13, Hazardous Chemical Substance Regulations, Annexure1,36
		Employees may be exposed to ash dust from the nearing plants or during windy season while driving around the station	Safety	Poor visibility , leading vehicle accidents, also pedestrian incident	Adhere to safe driving speed limits, hazard awareness and safety induction	3	A	IV	Fully effective	Contractor/Employee	OHSAct sec 13, Hazardous Chemical Substance Regulations, Annexure1,36
	Coal Dust	Employees may be exposed to coal dust from the nearing plants	Health	Lung infection that could result with silicosis, eye infection, nasal infection, skin infection	Provide the dust masks FFP2 & FFP3 (mandatory sign posted)	3	A	IV	Fully effective	Contractor/Employee	OHSAct sec 13, Hazardous Chemical Substance Regulations, Annexure1,36

	Use of lifting equipment (fork lifts and Crane)	Employees may be exposed to falling loads , struck by moving machinery	Safety	Fracture, injuries	Crane and Fork lift to be operated only by Eskom trained personnel, maintenance of the equipment, hazard awareness and communication during operation	4	B	III	Fully effective	Employee	OHS Act sec 13, Environmental Regulations in workplaces, Driven Machinery Regulations
	Manual handling	Lifting of heavy equipment by hands , falling loads	Safety	Back injuries, sprains and strains, soft-tissue injuries to wrists, arms, shoulders, neck or legs.	Mechanical lifting should be used, no lifting by hands should be done. Hazard awareness	3	B	III	Fully effective	Contractor/Employee	OHS Act sec 13, Environmental Regulations in workplaces, Driven Machinery Regulations 18, Work instruction * 1029635, Ergonomics regulations 2019
Installing of Aux air Pneumatic cylinders	Ash Dust	Exposed to excessive to Ash Dust	Health	Respiratory and lung infections and/or skin and eye irritation	Planned plant maintenance schedule, use of PPE, Fixing of defects, Toolbox Talks	3				Contractor	OHS Act. Regulations for HCS
	Coal Dust	Exposed to excessive to Coal Dust	Health	Respiratory and lung infections and/or skin and eye irritation	Planned plant maintenance schedule, use of PPE, Fixing of defects, Toolbox Talks	3				Contractor	OHS Act. Regulations for HCS
	Slippery Surfaces	Slip and fall	Safety	Falls that will result in injuries and fatalities.	Floor slippery signs are posted in some of the plant areas. Some areas are barricaded.	5				Contractor	OHS Act
	Chemical vapours i.e. Sulphur, SO2 and SO3	Inhalation of chemical vapours coming from water treatment plant	Health	Respiratory ailments and skin irritation and corrosion	Notification of the Chemical potential exposure, work stoppage required if there is exposure	3				Contractor	OHS Act ,hcs
	Falling objects	Struck by objects	Safety	Struck by objects resulting in injuries and/or fatalities.	Being observant while on the plant. Barricade Area.	5				Contractor	OHS Act
	Cold weather	Working on cold weather	Health	Shivering, Frost bite, cold and flue and hypothermia.	Warm jackets and other warm clothing are issued to employees.	2				Contractor	OHS Act. ERW 2
	Dangerous Insects and Reptiles	bitten by the bees	Health	Bee stings and snake bites - Injuries and/or fatality	Fumigation is carried out. There are trained snake catchers on site. Awareness provided to employees. Report to EOD if dangerous reptiles are spotted. Emergency number is communicated to employees on site.	5				Contractor	OHS Act
	Insufficient lighting	knocking against structures due to poor visibility	Safety	Slips, trips and knocking against structures because of poor visibility that will result in injuries.	Repair and replace lighting. Special/Temporary lighting is provided.	4				Contractor	OHS Act
	Opening and Closing of Breakers	Release of pressure	Safety	Release of pressure resulting in injury/fatality or property damage.	Risk assessments, Wear appropriate rated arch flash PPE (Category 4).	5				Contractor	OHS Act
	Defective Lifts	Stuck in the lifts resulting in being trapped and suffocating because of insufficient ventilation.	Health	suffocating because of insufficient ventilation.	Lifts are on a planned maintenance.	1				Contractor	OHS Act
	Defective Lifts	Excessive walking on stairs because of inoperative lifts resulting in Musculoskeletal disorder: pain on ankles, calf muscles etc.	Health	Excessive walking on stairs because of inoperative lift resulting in Musculoskeletal disorder: pain on ankles, calf muscles etc.	Lifts are on a planned maintenance.	2				Contractor	OHS Act, Environmental Regulations in workplaces Reg 6
	Staircases	Tripping and fall resulting in injuries.	Safety	Tripping and fall resulting in injuries and/or injuries.	Hand rails along the stairs. Toolbox talks are held. Sharing of lessons learned on incidents that occurred in other business units in Eskom.	4				Contractor	OHS Act, Environmental Regulations in workplaces Reg 6
	Criminal Activity	Attack by criminals that could result in injuries and/or fatalities.	Safety	Attack by criminals that could result in injuries and/or fatalities.	Being vigilant while at the cable tunnel. Security assist with the patrol of plant areas.	5				Contractor	OHS Act
	Road conditions curves, road construction, road works, bends, steep heels, rail crossings	Unfavourable road conditions , curves, road construction, road works, bends, steep heels, rail crossings causing loss of control of the vehicle	Safety	Loss of control to the vehicle. Not observant of the surroundings. Unfamiliar with the road. Speeding	Awareness during SHEQ meetings/ tool box talks/ lessons learned/ road safety campaigns/ Driver risk evaluation/Defensive & advance driving training. Pre inspections, Trip Risk Assessment	5				Contractor	Road traffic act, OHS Act. Vehicle Safety 240-69946. LSR

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