

Occupational Health and Safety Baseline risk assessment template							
Business/Operating unit:	Kendal Power Station		KENDAL POWERSTATION CHILLERS INSTALLATION			Next Review Date (every 2 years):	Template identifier: 240-70044602
Date:	27-Jan-26		Authorised by:	Name: Mphalela Mokonyane		Document identifier	
				Designation: System Engineer		Revision number:	0
				Date: 27 Jan 2026		Revision date:	23-Apr-27
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	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 applicable, add IRM system reference number for tracking of treatment actions. (applicable to risks that have an impact on business objectives or require intervention from Senior or Executive management such as impementing major engineering projects as a control)
	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	Wearing of dust masks FFP2 & FFP3 is manadatory, hazrd awarness and induction	Contractor/ client	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 with the window down	Safety	Poor visibility , leading vehicle accidents, also pedestrian incident	Adhere to safe driving speed limits, hazard awareness and safety induction, Windows to be closed should there be visible dust whilst driving.	Contractor/ client	OHSAct sec 13, Hazardous Chemical Substance Regulations, Annexure1,36
	Coal Dust	Employees may be exposed to coal dust from the nearing plants mainly terrace bin	Health	Lung infection that could result with silicosis, eye infection, nasal irritation, skin irritation	Wearing of dust masks FFP2 & FFP3 is manadatory, hazrd awarness and induction	Contractor/ client	OHSAct sec 13, Hazardous Chemical Substance Regulations, Annexure1,36
	Moving machinery (Forklift)	The operator might collide with material at stores or people	Safety	Damage to equipment, crushed by or caught between injuries.	Only competent operators are allaowed to operate the fork lift, Supervision and risk assessment	Contractor/ client	OHSAct sec 13,Environmental Regulations in workplaces, Driven Machinery Regulations

Loading and offloading of equipment	Use of lifting equipment (fork lifts)	Employees may be exposed to falling loads , struck by moving machinery	Safety	Fracture, injuries	fork lift to be operated only by Eskom trained personnel, maintenance of the equipment, hazard awareness and communciation during operation	Contractor/ client	OHSAct sec 13,Environmental Regulations in workplaces, Driven Machinery Regulations
	Falling objects	Struck by	Safety	Fracture, injuries	Required PPE to be worn i.e hard hat, safety shoes. Risk assessment, Supervision.	Contractor/ client	OHSAct sec 13
	Pinch and nip points	Caught in between,	Safety	Injuries	Required PPE i.e gloves, Risk assessment, Supervision.	Contractor/ client	OHSAct sec 13
	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 if items are too heavy to lift/carry manually,Hazard awareness, employing correct handling techniques	Contractor/ client	OHSAct sec 13,Environmental Regulations in workplaces, Driven Machinery Regulations 18, Work instruction * 1029635, Ergonomics regulations 2019
Driving on site and offsite	Night time driving	Poor visibility, fatigue, poor road surfaces including potholes	Safety	Vehicle accidents which would result in multiple injuries and/or fatalities as well as property damage.	Valid driver's licence, Medical fitnesss,Awareness during SHEQ meetings/ tool box talks/ lessons learned/ road safety campaigns. Postponing trip until its safe to travel	Contractor/ client	Road traffic act, OHS Act. Vehicle Safety 240-69946.
	Unfavourable Weather conditions, Mist/Fog/heavy rain	Poor visibility and loss of control to the vehicle	Safety	Vehicle accidents which would result in multiple injuries and/or fatalities as well as property damage.	Valid driver's licence, Medical fitnesss,Awareness during SHEQ meetings/ tool box talks/ lessons learned/ road safety campaigns. Postponing trip until its safe to travel	Contractor/ client	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.	Safety	Collision that result in accidents with multiple injuries and/or fatalities.	Valid driver's licence, Medical fitnesss,Awareness during SHEQ meetings/ tool box talks/ lessons learned/ road safety campaigns. Postponing trip until its safe to travel	Contractor/ client	Road traffic act, OHS Act. Vehicle Safety 240-69946.
	Poor Road conditions, potholes, curves, road construction, road works, bends, steep hills, rail crossings	Loss of control of 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.	Valid driver's licence, Medical fitnesss,Awareness during SHEQ meetings/ tool box talks/ lessons learned/ road safety campaigns. Postponing trip until its safe to travel	Contractor/ client	Road traffic act, OHS Act. Vehicle Safety 240-69946.
Plant Inspeccctions	Ash Dust	Exposure to nuisance ash dust. Not wearing or using respiratory equipment. Not wearing eye protection.	Healh	LTI or Fatality and damage to property	Plant assessment to be done before activities can commence. Rigging to be done by a competent person. Lifting equipment to be inspected. Hazard awareness, safe distance from the edge. Use of a long rod with a bucket attached to it. Ermegency preparedness, PPE including life jacket.	Contractor	OHSAct sec 13,Environmental Regulations in workplaces, Driven Machinery Regulations 18, Work instruction * 1029635, Ergonomics regulations 2019

Environmental contravention	Accidental release of refrigerant gas	Risk of contravening environmental legislation	Healh	Damage of ozone	procedure to be followed to recover the gas	contractor	OHSAct sec 13,Environmental Regulations in workplaces, Driven Machinery Regulations 18, Work instruction * 1029635, Ergonomics regulations 2019
Use of power tools	Personal injuries	Risk of personal injuries	Health	LTI or fatality	Tool box talk and specific taskrisk assessment to be done	contractor	doneOHSA sec 13, OHSA sec 8(2)(b,d,e),GSR 2,EIR (2- 9),EMR (2-10)
Installation and commissioning of the new HVAC plant	Personal injuries	plant damage and personal injuries	Safety	Injuries and/fatality as well as property damage	Procedure to be followed	contractor	OHSAct sec 13,Environmental Regulations in workplaces, Driven Machinery Regulations 18, Work instruction * 1029635, Ergonomics regulations 2019
Decommissioning of the old HVAC plant	Personal injuries	plant damage and personal injuries	Safety	Injuries and/fatality as well as property damage	Procedure to be followed	contractor	OHSAct sec 13,Environmental Regulations in workplaces, Driven Machinery Regulations 18, Work instruction * 1029635, Ergonomics regulations 2020