

# Garden Maintenance Services for Kendal Power Station

Occupational Health and Safety Baseline risk assessment template							
<b>Business/Operating unit:</b>	Kendal Power Station	<b>SOW: Garden Maintenance</b>			<b>Next Review Date (every 2 years):</b>	<b>Template identifier: 240-70044602</b>	
<b>Date:</b>	Aug-21	<b>Prepared By:</b> Theo Thela (Horticulture Supervisor) & Girly Mathebula (Safety Risk)	<b>Authorised By:</b>		<b>Name:</b> Theo Thela	<b>Document identifier</b>	
					<b>Designation:</b> Horticulture Senior Supervisor	<b>Revision number:</b>	<b>1</b>
					<b>Signed:</b>	<b>Revision date:</b>	<b>31-May-24</b>
					<b>Date:</b>		
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. <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?	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)  <b>Elimination</b> <b>Substitution</b> <b>Engineering controls</b> <b>Administrative controls</b> <b>Personal protective equipment (PPE)</b>	Person allocated the responsibility for implementing the agreed controls	Where relevant, list the relevant legislative and or Eskom requirements that prescribe the control.
<b>Driving/Accessing Kendal Site</b>	Stray animals, pedestrians, Neckligent and reckless driving, failure to observe road safety rules, drive under the influence of alcohol drugs	Failure to observe road safety rules could lead to Motor vehicle accident w hich w ill result in severe injuries and fatalities	Safety	severe injuries and fatalities	Ensure Medical fitnesss and Annexure 3, Aw areness/ tool box talks, provide competent driver or machinery operator, allow rest periods, conduct route risk assessment, provide road worthy vehicle, Provide daily inspection and maintenance records	Site Manager/Supervisor	Road traffic act, OHS Act. Vehicle Safety 240-69946.
	Covid 19	Exposure or coming into contact w ith infected person, failing to adhere to Covid 19 regulation, may result in lung disease or death	Health	Lung diseases or fatality	Adherance to covid 19 regulation, Social distancing, provide sanitizers, provide cloth face masks, Covid compliance officer, Provide Risk Assessment for covid, Provide a Policy Statement for covid19, Provide Covid19 Plan to address Disaster Management/emergency respose to covid 19	Site Manager/Supervisor	OHS Act, Disaster Management act & government gazette
	Ash & Coal Dust	Exposure to ash & coal dust clould lead to respiratory infections & Silicosis. Skin irritation, Eye irritation and/or infection. Obscured vision resulting in injuries.	Health	Respiratory infections & Silicosis. Skin irritation, Eye irritation and/or infection. Obscured vision resulting in injuries.	Provision of PPE (dust masks), Report any defects regarding ash leaks. Aw areness-Toolbox talk. Risk assessments.	Site Manager/Supervisor	OHSAct, Hazardous Chemical Substance Regulation Annexure 1 S36
	Heat / Cold	Exposure to heat could lead to excessive sw eating that w ill result in cramps, dehydration, heat exhaustion and heatstroke. Exposure to cold w eather could lead to Shivering, Frost bite, cold and flue and hypothermia.	Health	Cramps, dehydration, heat exhaustion and heatstroke.	There are Lagging and cladding on pipes. Report defects of any steam leaks, Not w orking long hours in the hot condition, Take regular breaks, apply job rotation. Supply of fluids w hile w orking in the area. Provide w arm clothing (PPE)	Site Manager/Supervisor	OHSAct, Environmental Regulation for w orkplace S2
	Moving Machinery	Exposure to moving machineries could lead to Caught betw een structures, entanglement r draw in by machinery or equipment, that w ill result in fatal injuries	Safety	Sever injuries or fatality	Machine guards on equipment. Warning signs are posted. Loose clothing is discouraged w hile on the plant. Aw areness and induction should be conducted on employees	Site Manager/Supervisor	OHSAct, General Machinery Regulation S5
<b>1. Mowing grass using agricultural tractor</b> <b>2. Flowerbed maintenance</b> <b>3. Pruning</b> <b>4. Indoor plants maintenance</b> <b>5. Application of herbicides&amp; pesticides.</b>	Mow ing tall grass	Bee sting	Safety	Allergic reaction	Pre-job briefing, risk assessment and mitigation, first aid box provided, pre trip inspection of equipment, full PPE provided, BSO.	Manager \Supervisor	OSH Act, Road traffic Act, Vehicle Safety 240 59948
	Weeding flow erbed	Not bending knees w hen lifting heavy objects	Health	Back injury	PPE provided, pre-job briefing, BSO, aw areness on ergonomics	Site Manager/Supervisor	OSH Act
	Broken hanging branches	Cut by or puncturedby sharp branches	Safety	Puncture injuries and cut injuries	PPE provided, pre-job briefing, BSO	Site Manager/Supervisor	OSH Act
	Inhalation of soil, coal and ash dust w hile aerating	inhalation of and exposure to dust	Health	Irritation of respiratory tract	Hazard aw areness, PPE provided.	Site Manager/Supervisor	OSH Act
	Laceration caused by pruner saw	deep cut on the flash	Safety	injuries, loss of body part	Conduct Risk Assessment and Pre-job briefing, apointment of skilled operator, BSO, proper PPE provided.	Site Manager/Supervisor	OSH Act
	branches on the ground	Slipping and falling	Safety	Fractures, bruises, ankle and arm tw ist.	Conduct Risk assessment and Pre-job briefing, apointment of skilled operator, BSO, proper PPE provided, immediately remove branches after felling.	Site Manager/Supervisor	OSH Act
	Manual Handling	Lifting of heavy object could result in Musculoskeletal disorder	Safety	Muscular skeletal diseases, Back injuries, muscle sprains	Provide egonomics aw areness training, correct lifting methods and techniques to be applied, BSO, pre-job briefing, toolbox talk	Site Manager/Supervisor	OSH Act, Ergnomics Regulation
	Inhalation of fumes	Inhalation of and exposure to gas or vapour that smells strongly.	Health	Irritation of respiratorytract	Hazard aw areness training, Provide Material Data Sheet for HCS, BSO, pre-job briefing, toolbox talk, Conduct task specifi risk assessment Provide appropriate PPE	Site Manager/Supervisor	OSH Act, WUA, Agricultural Pests Act.1983 (Act No; 36 of 1983)
	Lifting of heavy object( knap sac sprayer)	muscle sprains and back pains	Safety	Back injuries, muscle sprains	Hazard aw areness training, correct lifting methods, BSO, pre-job briefing, toolbox talk	Site Manager/Supervisor	OSH Act, WUA, Agricultural Pests Act.1983 (Act No; 36 of 1983)