

Occupational Health and Safety Baseline risk assessment template							
Business/Operating unit:	Fuel Oil Guns Maintenance & Spares Contract					Next Review Date (every 2 years):	Template identifier: 240-70044602
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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 relevant, list the relevant legislative and or Eskom requirements that prescribe the control.
Working outside of the Boiler While Units is on load/ off load. Remove and replace Fuel Oil Guns. Carry oil Guns down the Boiler/ Up The Boiler. Plant inspection	Fuel Oil Leaks	Exposure to hot fuel oil	Safety	Third degree burns that may be fatal	Risk assessment, PTW,Supervision,Two men rule ,Job observations, personal protective clothing	Client/ Contractor	OHSA s8(2)(b,c,d,e),OHSA s13,HCSR (2-15), PSR,procedure 32-136
	Heat , hot surfaces	exposure to heat & hot surfaces in the plant	safety / health	Thermal Burns, injuries, heat stroke	Communication (hazard awareness), Guarding/barriers/rails, notices and signage, PPE. Consumption of liquid, job rotation, rest breaks	Client/ Contractor	OHS Act s13,ERW,GSR 2,OHSA s8(2)(b,c,d,e),f, procedure 32-136
	Noise	Exposure to noise	Health	Noise induced hearing loss	Communication (hazard awareness),Medical surveillance program, Training: General Safety, Personal protective (hearing) ,	Client/ Contractor	OHSA s8(2)(d) ,GMR 3,NIHL Reg 3-13,SANS 10083, procedure 32-136

	Dust	Exposure to Ash dust	Health	Nasal irritation, Occupational disease, Respiratory disease	Plant maintenance, Communication (hazard awareness),Noise surveys, dust suppression,medical surveillance, Training: General Safety, PPE	Client/ Contractor	OHS Act s13,OHSAS8(2)(b,c,d,e),GSR 2,procedure 32-136
	Hazardous substances (oil, grease , lubricant and cleaning agents)	Exposure from leaking or handling of lubricants and cleaning agents.	Health	Occupational diseases, eye injuries, skin irritation.	Communication (hazard awareness), medical surveillance, MSDS training , PPE	Client/ Contractor	HCSR (2-15),OHSAS8(2)(b,c,d,e),OHSAS13, PSR,procedure 32-136
	Dust	Exposure to coal dust at coal milling plant	Health	Nasal irritation, Occupational disease, Respiratory disease, silicosis	Plant maintenance, Communication (hazard awareness), dust suppression, Dust surveys, medical surveillance, Training: General Safety, PPE	Client/ Contractor	OHS Act s13,OHSAS8(2)(b,c,d,e),GSR 2,procedure 32-136
	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	Client/ Contractor	ERW,OHSAS8(2)(b,c,d,e),OHSAS13, procedure 32-136
	Equipment/ fuel oil guns	In correcting lifting and handling techniques	Safety	back injuries, foot and hand injuries	Pre task risk assessment, ergonomics awareness ,Communication (hazard awareness), use of equipment (trolley, good lift) to transport equipment, Medical surveillance program, Training: General Safety, Personal protective equipment	Client/ Contractor	OHSAS8(2)(b,c,d,e),procedure 32-136 ergonomics regulations
	Stairways	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	Client/ Contractor	OHS Act s13,OHSAS8(2)(b,c,d,e,f),GSR 2,procedure 32-136
	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	Client/ Contractor	OHS Act s13,OHSAS8(2)(b,c,d,e,f),GMR 3, DMR 2,GSR 2 , procedure 32-136
	Moving vehicles and machinery in the plant and around	Colliding or struck by moving vehicles and machinery	safety	Serious injuries, Fatality	Traffic safety, Communication (hazard awareness), general safety training, Guarding/barriers/rail, signage	Client/ Contractor	OHS Act s13,OHSAS8(2)(b,c,d,e,f), GSR 2
	Emergencies	Employees exposed to emergency situation, such as fire, medical emergency etc.	Safety	injuries, Fatalities	Emergency preparedness plan, Communication (hazard awareness) , EPP safety training ,	Client/ Contractor	OHS Act s13,OHSAS8(2)(b,c,d,e,f), ERW ,Kendal EP Plan *1015702, SHE specification

	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	Client/ Contractor	OHS Act s8(2)(b,d,e,f), ERW 6,SANS 10400, GRS 2,procedure 32-136
	Cold weather	Exposure to extreme cold weather during winter	Health	Shivering, Frost bite, cold and flu and hypothermia.	Hazard awareness, Warm jackets and other warm clothing	Client/ Contractor	OHS Act sec 13,Environmental Regulation for workplace reg 2
	Falling objects	Exposure to falling objects	safety	Injuries, fatality	Pre task risk assessment, Barricading of areas where there is a potential of falling objects. Safe handling of equipment and tools, Personal protective equipment	Client/ Contractor	OHS Act s8(2)(b,c,d,e),OHS Act s13,
Overhaul and Testing of Fuel Oil Guns	Fuel oil guns	Exposure to oil splashes	Safety	Eye injuries and Face burns, irritation of skin.	Pre task risk assessment, compliance to cleaning procedure, personal protective equipment, hazard communication	Client/ Contractor	OHS Act s8(2)(b,c,d,e),OHS Act s13,HCSR (2-15), PSR,procedure 32-136
		Exposure to fuel oil	Safety	Hand burns, irritation of skin	Pre task risk assessment, compliance to cleaning procedure, personal protective equipment	Client/ Contractor	OHS Act s8(2)(b,c,d,e),OHS Act s13,HCSR (2-15), PSR,procedure 32-136
	Hazardous substances (oil, grease , lubricant and cleaning agents)	Exposure from leaking or handling of lubricants and cleaning agents.	Health	Occupational diseases, eye injuries, skin irritation.	Communication (hazard awareness), medical surveillance, MSDS training , PPE	Client/ Contractor	HCSR (2-15),OHS Act s8(2)(b,c,d,e),OHS Act s13, PSR,procedure 32-136
	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	Client/ Contractor	Road traffic act, OHS Act. Vehicle Safety 240-69946.
Performing work in the plant, workshop and travelling during the pandemic	COVID 19	Contracting COVID. Contact with persons that may be infected with the virus	Health	psychological impact,COVID illness, death	COVID Risk assessment and COVID management procedures. Shift rotations where necessary, Social distancing when performing the activities, COVID 19 awareness and training hand hygiene, sanitizers, Incident management procedures. Record keeping register for all visitors. PPE including appropriate masks, hand gloves.	Client/ Contractor	OHS Act sec 8, 13, Disaster Management Act, 2022 (Act No.57 of 2002), COVID 19 Regulations. Procedure 32-95