Occupational Health and Safety Baseline risk assessment

Business/Operating unit:	**maintenance services on Fire Detection.**	
Date:	**22-Aug-23** **Authorised by:**	**Name: Mapule Madigoane**
		Designation: C & I Units Manager
		Date: 22.08.2023

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*
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)**
	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
		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.
	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
	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
	Use of lifting equipment (fork lifts)	Employees may be exposed to falling loads , struck by moving machinery	Safety	Fructure, injuries	fork lift to be operated only by Eskom trained personnel, maintenance of the equipment, hazard awareness and communciation during operation

Loading and Offloading of Electrical Spares.	Falling objects	Struck by	Safety	Fructure, injuries	Required PPE to be worn i.e hard hat, safety shoes. Risk assessment, Supervision.
	COVID 19	contracting the Corona Virus, infecting others if already infected.	Health	Infection, displaying flu-like symptoms and fever, death.	COVID 19 infection awareness, wearing of masks, Sanitising. Observing Covid 19 protocols
	Pinch and nip points	Caught in between,	Safety	Injuries	Required PPE i.e gloves, Risk assessment, Supervision.
	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
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
	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
	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
	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
Walking to the plant Area	Wet or slippery floor conditions	slip and fall	safety	injury, contusion	Cleaning of plant. Communication (hazard awareness), Guarding/barriers/rails ,Training: General Safety,PPE, signage
Signal checking	Electricity	possible electrical contact	Safety	Electrical Shock, Fatality	Permit to work, Risk Assessment. Communication (hazard awareness),Training: General Safety. Signage and notices

Accessing instruments	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

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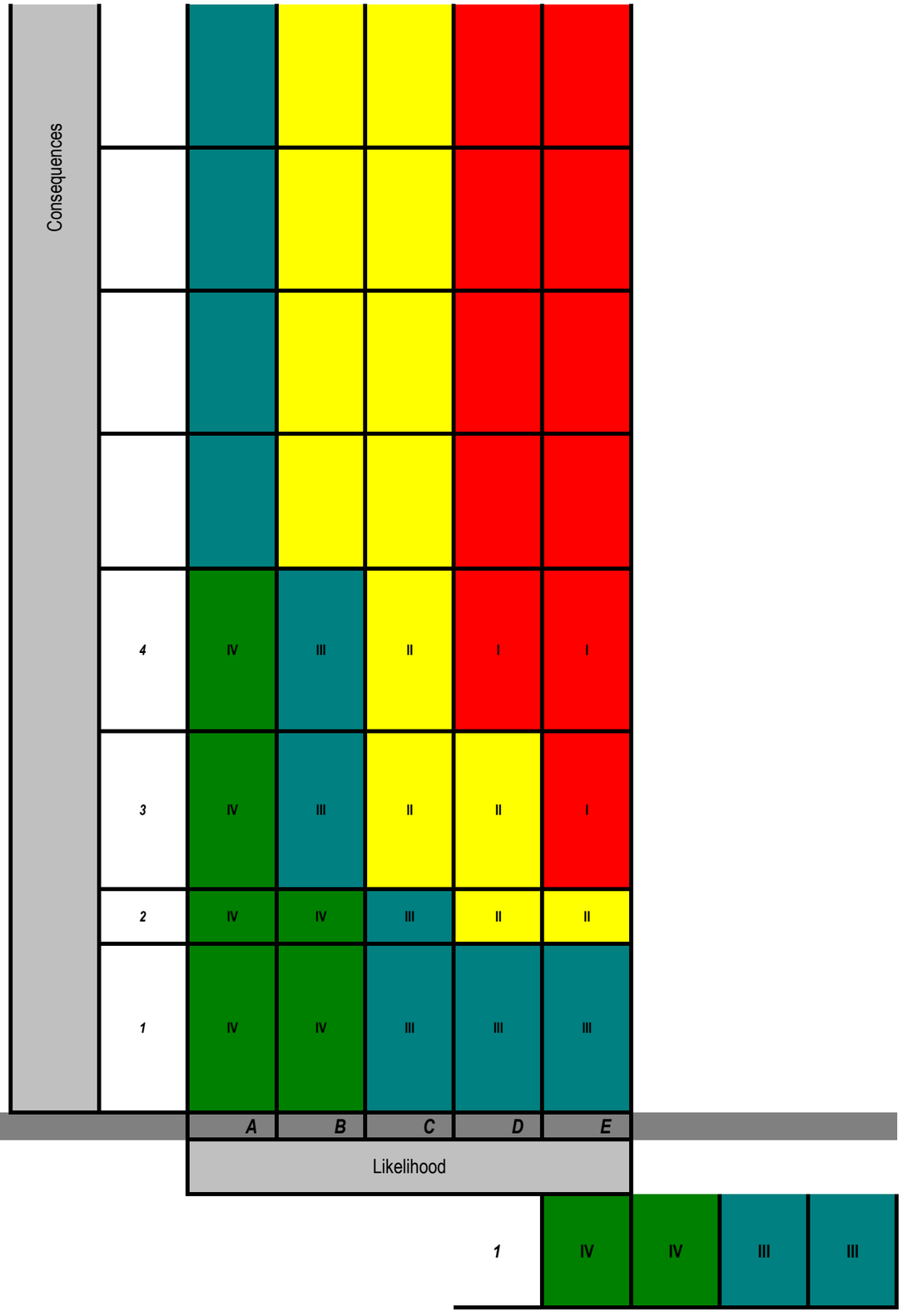
Next Review Date (every 2 years):	**Template identifier: 240-70044602**
Document identifier	
Revision number:	**5**
Revision date:	**30-Apr-25**

Control Owner	*Legal and Other Requirements*
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)
Contractor/ client	OHSAct sec 13, Hazardous Chemical Substance Regulations, Annexure1,36
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Contractor/ client	OHSAct sec 13,Environmental Regulations in workplaces, Driven Machinery Regulations
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Contractor/ client	OHSAct sec 13				
Contractor/ client	Disaster Management Act, 2002 (Act 57 of 2002)				
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Contractor/ client	Road traffic act, OHS Act. Vehicle Safety 240-69946.				
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Client/ Contractor	OHSA s8(2)(b,d,e,f), ERW 6,SANS 10400, GRS 2,procedure 32-136				
Client/ Contractor	PSR 32-681 EIR (2-9), EMR (2-10),OHSA s8(2)(b,d,e),procedure 32-136				



Client/ Contractor	OHS Act s13,OHSA s8(2)(b,c,d,e,f),GMR 3, DMR 2,GSR 2 , procedure 32-136				

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Safety	1	A	Fully effective	I
Health	2	B	Mostly effective	II
	3	C	Mostly ineffective	III
	5	E		
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