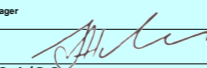


Business/Operating unit:		PEAKING				Department:		Sere Wind Farm								Next Review Date (every 2 years):				18/01/2025	Template identifier:	240-70044602		
Date: 23-Apr-24						Prepared by: Sere Wind Farm employees and management		Authorised by: Name: Shawn Hurling Designation: Plant Manager Signed:  Date: 2024/04/29								Document identifier 480/41	Revision number: 5.2	Revision date: 30-Apr-27						
Refer to Occupational Health and Safety Risk assessment procedure 32-520																								
List activity	Activity type (Routine/Non-routine)	Hazard nr	Hazard Identification	Risk Nr	Associated risk	Risk type	Cause(s) of the risk	Exposed group/employees	Risk Owner	Exposure patterns	What are the possible consequences?	Existing Controls		Consequence	Likelihood	Risk Priority Rating	Additional Controls or Tasks Aimed at improving Existing Controls		Monitoring Mechanisms	Control Owner	Legal and Other Requirements	Target Date	Current Status	Integrated Risk Management (IRM) reference number
List specific activities to be performed taking into consideration the equipment to be used, the personnel involved in the task.	Indicate R or N 1. Routine activities and situations create hazards through day-to-day operations and normal work activities; 2. Non-routine activities and situations are occasional or unplanned;	#	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	What causes the risk to come into effect?	Who is exposed to the hazard i.e. visitors, members of the public, etc.	Who is accountable for making sure the controls and monitors are: - in place, - implemented, - regularly reviewed for effectiveness.	The frequency and duration the person/group is exposed to the hazard e.g. Daily for 3 hrs.	Consider the worst 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)					RCE Risk Control Effectiveness	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)	How we know if we are succeeding. Include comments on effectiveness. This may include i.e. measurements, inspections, supervision where necessary.	Person allocated the responsibility for implementing the agreed controls	Where relevant, list the relevant legislative and/or of Eskom requirements that prescribe the control.	Once a date has been agreed to, this can not be changed	Pending, In Progress, Complete	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 implementing major engineering projects as a control)
	R	1	Defective/broken tools		Hand injuries, cuts and bruises , electrical shock, fractures, injuries,	Safety	Not wearing PPE, incorrect methods, excessive use of equipment and tools, lack of continuous risk assessment, inadequate inspections, Use of unapproved homemade tools.		O&M Manager	Daily for 2hrs	LTI	Work Packages, Hand tools training, Tools box talks,routine inspections PPE- eye protection, apron, overall, safety boots	4	B	III	Mostly effective	Send communication to all employees and contractors that the use of unapproved home made tools is not allowed	Behavioural safety observations, inspections, incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	30-Sep-22	In-progress	N/A	
	N	2	Welding	1	Burns, flash burns(arc eye), electrical shock, respiratory disease, fire, welding fume fever	Safety	Not wearing PPE, incorrect methods, lack of continuous risk assessment, Defective welding machines,Damaged power leads and incorrect earthing,inadequate inspections, lack of monitoring	Maintenance employees	O&M Manager	Once a month	LTI	Power tools training, Tools box talks, routine inspections, hot work monitor, fire fighting equipment Welding visor, welding apron, air monitoring every two years.	4	B	III	Mostly effective	Planned job observation to be conducted on the use of power tools.	Behavioural safety observations, inspections, incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	30-Sep-22	In-progress	N/A	
	N	3	Grinding	2	Cuts, Noise, Burns, shocks, grinder blades breakage, vibrations, manual handling, tripping on cables,Engulfment(pedestal grinder), respiratory disease,	Health	Not wearing proper PPE, incorrect methods, misuse of the equipment, lack of continuous risk assessment , not performing Pre inspections,Damaged power cords and incorrect earthing,inadequate inspections,	maintenance employees	O&M Manager	Once a month	LTI	Hand and power tools training, Tools box talks, routine inspections Safety goggles, overall, eye protection, safety boots, safety gloves	4	B	III	Mostly effective	Planned job observation to be conducted on the use of power tools.	Behavioural safety observations, inspections, incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	30-Sep-22	In-progress	N/A	
	N	4	Compressed air	4	Eye and body injuries(blood clots)	Safety	Fitting coming adrift, Using compressed air to clean PPE	maintenance employees	O&M Manager	3 monthly	LTI	Depressurize system, Training, Tool box talks, behavioural observations, Safety goggles	4	B	III	Mostly effective	Planned job observation to be conducted on the use of compressor.	Behavioural safety observations, inspections, incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	30-Sep-22	In-progress	N/A	
R	5	Tools falling from heights	5	Possible property damage ,injury	Safety	Tools not secured, improper handling of tools	Maintenance employees	O&M Manager	18 monthly	LTI	Training, Tool box talks, behavioural observations, risk assessment, safety hat, safety boots	4	B	III	Fully effective	None	Behavioural safety observations, inspections, incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A		
Working at heights	R	6	Falling from height	6	Workers could fall from elevated position and or fall from the same level	Safety	No proper guard rails around working platforms, Not using Safety harness or not hooking up, not medically fit, not trained on ladder safety/ working at heights training, Not adhering to or no fall protection plan	Employees / contractors	O&M Manager	Daily	Fatality	Safety guard rails, Medical surveillance,working at height and rescue training, induction training, toolbox talks,Risk Assessment, Work Permit, inspections, safety clearance for working at heights, Life saving rules, safety harness	5	C	II	Mostly effective	Train and appoint fall protection development planner, Monitoring plan for inspection of fall arrest equipment, Develop Fall protection plan and a rescue plan.	Behavioural and planned task observations, incident records, inspections, Training needs analysis and matrix, SHE file evaluation	O&M Manager	Working at heights procedure(32-418), CR 8, 9 &10, Section 8 and 14 of OHS Act , Life-saving Rules 240-6219&227, Revision 6,	30/09/2022	In-progress	N/A	
Cleaning	R	7	Wet and slippery surface	7	Slip & Fall	Safety	Wet floors, spillage of oil (plant checks)	Employees / contractors	O&M Manager	Daily	LTI	Slipery floor Signs, Spill sobz/ material, Safety boots	4	B	III	Fully effective	None	Behavioural observations, incident records, inspections	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A	
	R	8	Cleaning chemical agents	8	Absorption through skin, absorption through inhalation, Ingestion	Health	Not wearing PPE, not referring to SDS's	Employees / contractors	O&M Manager	Daily	Medical	SDS's, Toolbox talks,behavioural observations, dust mask, safety gloves	3	B	III	Fully effective	None	Behavioural observations, incident records inspections	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A	
Perform Operating Activities	R	10	Live apparatus/circuits		Electrocution, flash burns	Safety	Incorrect switching , linking and isolating	Employees/Contractors	O&M Manager	Monthly	Fatality	Permit to work system,Isolation, test before touch, risk assessment, tool box talks, task observations, Life saving rules, Arch flash PPE	5	B	II	Mostly effective	Use of competent and trained staff	Authorisations, Behavioura and planned task observation, incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), Live saving rule procedure	01-Sep-22	In-progress	N/A	
	R	11	Heavy equipment(handling breakers)	10	Work related upperlimb disorder, back injuries	Safety	Incorrect posture, lifting and interaction with heavy equipment	Employees/Contractors	O&M Manager	3 Monthly	LTI	Training, toolbox talks, taking breaks, two man rule, PPE,health risk assessment	4	B	III	Fully effective	None	Authorisations, Behavioura and planned task observation, incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A	
	N	12	Loading and offloading equipment	11	Equipment falling on employees or other equipment, Mechanical failure	Safety	Capacity not checked, Unserved cranes, Inadequate inspection of lifting equipment, Incorrect rigging, Not following Safe working procedures, staff not trained properly, unauthorised personnel, defective warning siren	Employees/contractors	O&M Manager	Weekly	Lost time injury	Warning Siren,Risk assesment,Competent crane Operator ,load tested cranes,Training and legal appointments, inspections,Site conditions,capacity checks/ SWL, pre-job brief, Planned task Observations, PPE (gloves, hard hats, safety, boots)	4	B	III	Fully effective	None	Incident records, inspections,Behavioura and planned task observation, Internal audits	O&M Manager	MDR 18,	None	None	N/A	
Working with mobile equipment (Forklifts, Over-head mobile crane, Diesel generator)	N	13	Noise	13	NIHL, tinnitus	Health	Not using hearing protection, lack of training, operation of the machine, Noise level survey not conducted	Employees/contractors	O&M Manager	Weekly	NIHL	Awareness training, PPE, toolbox talk, pre-job brief, NIHL awareness, Noise survey, ear protection	4	B	III	Fully effective	None	Surveys, incidents records	O&M Manager	NIHL regulations	None	None	N/A	
	N	14	Unauthorised personnel operating mobile equipment	14	Property/lifting equipment damage, Serious injuries	Safety	No training, Unauthorised personnel, No Supervision, Not following Safe work procedures	Employees/contractors	O&M Manager	Weekly	LTI	Training/authorisation,Supervision, Observations, toolbox talks.	4	B	II	Fully effective	None	Incident records, inspections,Behavioura and planned task observation	O&M Manager	MDR 18,	None	None	N/A	
	N	15	Diesel Fumes	15	Respiratory diseases	Health	Inadequate PPE, lack of supervision, lack of risk assessment, lack of service, using machine that is not serviced	Employees/contractors	O&M Manager	Weekly	Medical	Supervision and regular breaks, proper training and authorisation, medical surveillance, pre-job brief, dust mask,	3	B	II	Fully effective	None	Incident records, inspections,Behavioura and planned task observation	O&M Manager	MDR 18,	None	None	N/A	
	N	16	Poor visibility	16	Crushing, property damage	Safety	Raised load obscuring the visibility, not using Banksman	Employees/contractors	O&M Manager	Weekly	LTI	Use of Banksman, toolbox talk, training and appointments, siren, reverse alarm, rotating light, pre-trip inspections	4	B	III	Fully effective	None	Incident records, inspections,Behavioura and planned task observation	O&M Manager	MDR 18,	None	None	N/A	
	N	17	Moving under suspended loads	17	Head injuries	Safety	lack of risk assessment, unauthorised personnel	Employees/contractors	O&M Manager	Weekly	LTI	Supervision by responsible person, Hard hat, safety signages for use of hard hat, no one is allowed under the suspended load	4	B	III	Fully effective	None	Incident records, inspections,Behavioura and planned task observation	O&M Manager	MDR 18, OHS Act 8.2(i)	None	None	N/A	
	N	18	Defective lifting equipment and tackles	18	Struck by, caught in between, lifting tackle could snap and break	Safety	Inadequate inspection of lifting equipment, Incorrect rigging	Employees/contractors	O&M Manager	Weekly	LTI	Routine inspections, training, supervision	4	B	III	Fully effective	None	Incident records, inspections,Behavioura and planned task observation	O&M Manager	MDR 18, OHS Act 8.2(i)	None	None	N/A	
	R	19	Oxygen deficiency	19	Unconsciousness, asphyxiation	Health	Incompetency, lack of emergency drills, lack of risk assessment, lack of atmospheric testing, Absence of BA (breathing apparatus)	Employees/Contractors	O&M Manager	18 monthly	Fatality	Permit to work, Risk Assessment,Oxygen monitoring arrangements, safe means of access and egress, Emergency drill exercises, safety harness	5	B	II	Mostly effective	Confined Space and Gas Testing Training	Incident records, Behavioura and planned task observation	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), GSR 5, 32-123	30/09/2022	In-progress	N/A	
	R	20	Heat	20	Heat stress, heat stroke, dehydration, unconsciousness	Health	Lack/improper ventilation, not allowing cool-off time	Employees/Contractors	O&M Manager	18 monthly	Medical	Medical surveillance, openings to allow ventilation, training, mechanical ventilation,permit to work system	3	A	IV	Fully effective	None	Incident records, Behavioura and planned task observation	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A	
Working in confined spaces	R	21	Restricted space	21	struck against or body strain	Safety	Not physically or medically fit,lack of training, lack of emergency drills, lack of risk assessment,Poor ergonomics,	Employees/Contractors	O&M Manager	18 monthly	Medical	Medical surveillance, permit to work system,Emergency preparedness procedures, (chin strap hard hat, breathing apparatus, safety boots), mock drills/drill exercise	3	A	IV	Fully effective	None	Incident records, Behavioura and planned task observation	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), GSR 5, 32-123	None	None	N/A	
	R	22	Restricted space	23	Stuck in the area,unconsciousness	Health	Lack of risk assessment, not assigned an attendant at the entrance, lone workers	Employees/Contractors	O&M Manager	18 monthly	Medical	Medical surveillance, permit to work system,Emergency preparedness procedures, (chin strap hard hat, breathing apparatus, safety boots), mock drills/drill exercise	3	A	IV	Fully effective	None	Incident records, Behavioura and planned task observation	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), GSR 5, 32-124	None	None	N/A	
	R	23	Toxic,explosive,flammable atmosphere	24	Fire, Unconsciousness	Health	Incompetency, lack of emergency drills, lack of risk assessment, lack of atmospheric testing, inadequate PPE	Employees/Contractors	O&M Manager	18 monthly	LTI	Gas testing, training, permit to work system, fire extinguishers, Emergency preparedness procedures, breathing apparatus	4	A	IV	Fully effective	None	Incident records, Behavioura and planned task observation	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A	
	R	24	Snakes	25	Snake bites	Safety	Lack of awareness, Lack of attention/ Inappropriate PPE/ Unaware of danger in the vicinity	Employees/Contractors	O&M Manager	Monthly	Fatality	Snake Awareness training, toolbox talk, Overall and safety gloves, safety goggles and safety boots/ closed shoes	5	B	II	Mostly effective	Do risk assessment for all activities, Have emergency numbers ready available	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), Sec 8, 14, GSR 2	Jun-22	None	N/A	
Working in the field	R	25	Wet or slippery or uneven surfaces	25	Slip, trip and fall	Safety	Lack of focus, unaware of the risk	Employees/Contractors	O&M Manager	Monthly	Medical	Be aware of where you are stepping, clean up spills immediately, toolbox talks, Safety boots, overalls.	3	B	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), OHS Act Sec 8, 14	None	None	N/A	
	R	26	Extreme temperatures/ thermal environments	26	Heat and cold stress, dehydration	Health	Lack of awareness, improper PPE (sun screen, Sun hats and winter jackets), long working hours	Employees/Contractors	O&M Manager	Monthly	Medical	Take breaks, clean drinking water ,toolbox talk, PPE (sun screen, Sun hats and winter jackets)	3	B	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A	
	R	27	Insects (Scorpion, Spiders, Bees, Wasp etc)	27	Allergic reaction, Experience burning, pain, itching, redness, headache, rash, nausea, vomiting, possible fatality	Health	Lack of awareness, Lack of attention/ No allergy declaration with OHP, Unaware of danger in the vicinity	Employees/Contractors	O&M Manager	Monthly	Medical	Awareness training,pre-job briefs	3	B	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A	

Office work(use of computers, office layout, printer)	R	28	Inadequate/ Excessive lighting levels	29	Straining and or irritation of the eyes, eye damage, headaches	Health	Working in areas with poor/ excessive lighting	Employees	O&M Manager	Daily, 8hrs	Medical	Illumination Surveys, blinds	3	C	III	Fully effective	None	Incident records, surveys	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), Environmental Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	29	Wet or slippery or uneven surfaces	30	Slip, trip & Fall	Safety	Poor housekeeping,lack of focus/ no sign indicating wet floor, lack of awareness	Employees	O&M Manager	Daily, 8hrs	Medical	Be aware of where you are stepping, clean up spills immediately, toolbox talks.	4	B	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	30	Removing paper jams	31	Cuts, engulfment, shearing,crushing injuries	Safety	Lack of concentration to the task at hand,	Employees	O&M Manager	Daily, 8hrs	First Aid	Guard over blade, Toolbox talk, Safety awareness	2	B	IV	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	31	Sitting in awkward positions,Poor ergonomics at workstations	32	Work related upper limb disorders, repetitive strain syndrome, capal tunnel syndrome	Health	No Regular breaks, Incorrect posture	Employees	O&M Manager	Daily, 8hrs	Medical	Toolbox talks,Awareness, Avoid long working sessions, Ergonomic survey	3	B	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
Driving/Transporting Employees from to working	R	32	Overspeeding	33	Vehicle accident	Safety	Not adhering to the speed limit, pressed for time	Employees/contractors	O&M Manager	Daily	Fatality	Mix telematics reporting, drive camera.	5	C	II	Mostly effective	Consider conducting driver observation on each driver and keep records	Driver risk profile, incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), Driver safety procedure, NRT Act	30-Sep-22	On-going	N/A
	R	33	Incompetent Driver	33	Vehicle accident	Safety	Negligent driving, Not adhering to life saving rules, failure to check blind spots when overtaking, not having a drivers license	Employees/contractors	O&M Manager	Daily	Fatality	Mix telematics and coaching, Pre and post trip inspections, Life saving rules, Ensure to keep safe following distance, Driver's licence, Driver risk profile, Eskom drivers permit, Ensure to adhere to all road traffic rules.	4	B	III	Fully effective	Consider conducting driver observation on each driver and keep records	Driver risk profile, incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), Driver safety procedure, NRT Act	30-Sep-22	On-going	N/A
	R	34	People seating too close together when being transported	34	The virus can easily spread from one person to another	Health	Non adhere to the 70% allowable limit during transportation	Employees,Visitors, Family members, Public members	O&M Manager/Compliance Officer, Each Driver of vehicle	Daily	Fatality	Adhere to 70% of approved capacity when transporting employees in private vehicles / busses / taxis. Vehicles allocated to users by site management	5	C	II	Mostly effective	Sanitizers are available for passenger usage. Social distance to be maintained. All passengers should wear masks at all times if they loading 100% capacity.	Incident records	O&M Manager	Occupational Health and Safety Measures in Workplaces COVID-19 (C19 OHS), 2020	None	None	N/A
	R	35	People talking to each other, while sitting close together without masks on	35	The virus can easily spread from one person to another	Health	Non adherence to the rules	Employees,Visitors, Family members, Public members	O&M Manager/Compliance Officer, Each Driver of vehicle	Daily	Fatality	Ensure employees wear masks while being transported if transportation is loading 100% capacity. Ensure social distance is adhere when transported if possible during times of covid widespread.	5	C	II	Mostly effective	Social distance should be maintained. All passengers should wear masks at all times if they loading 100% and covid 19 is widespread.	Incident records	O&M Manager	Occupational Health and Safety Measures in Workplaces COVID-19 (C19 OHS), 2020	None	None	N/A
	R	36	Other people coughing and sneezing	36	The virus can easily spread from one person to another	Health	Not Vaccinated, not tested for covid19	Employees,Visitors, Family members, Public members	O&M Manager/Compliance Officer, Each Driver of vehicle	Daily	Fatality	Awareness training on Covid 19	5	C	II	Mostly effective	workers to stay home if they don't feel well	Incident records	O&M Manager	Occupational Health and Safety Measures in Workplaces COVID-19 (C19 OHS), 2020	None	None	N/A
	R	34	Driving on public roads and or private roads	34	Vehicle accident	Safety	Not adhering to the speed limit. Not paying attention, not familiar with the road, making use of cellphone, distractions, congested roads, pedestrians and live stock, Taxi and Truck on the road, Civil unrest. Negligent driving, Not adhering to life saving rules, failure to check blind spots when overtaking	Employees/contractors/	O&M Manager	Daily	LTI	Mix telematics and coaching, Pre and post trip inspections, Life saving rules, Ensure to keep safe following distance, Driver's licence, Driver risk profile, Eskom drivers permit, Ensure to adhere to all road traffic rules.	4	B	III	Fully effective	None	Driver risk profile, incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) NRT Act	Sep-22	On-going	N/A
Weed trimmer	N	35	Diesel fumes, Saw dust	35	Respiratory diseases, eye irritation	Health	Not using PPE (dust mask and safety goggles) , lack of risk assessment, lack of training.	Contractor	O&M Manager	3 monthly	Medical	Proper training medical surveillance, PPE (dust mask and safety goggles)	3	B	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	N	36	Manual handling	36	Fatigue, Back, shoulder, neck, foot injuries	Safety	Not taking breaks, incorrect lifting technique, failure to wear proper PPE, burns	Contractor	O&M Manager	3 monthly	Medical	Training, toolbox talks, taking breaks, eye protection, dust mask, hard hat, overalls, safety apron	3	B	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) GSR Section 2	None	None	N/A
	N	37	Vibration	37	Musculoskeletal	Health	Operation of the machine, maintenance/cleaning of the machine, lack of supervision, lack of training.	Contractor	O&M Manager	3 monthly	Medical	Rotation of operator, training, medical surveillances	3	B	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	N	38	Noise	38	NIHL, tinnitus	Health	No training, failure to wear PPE(ear protection)	Contractor	O&M Manager	3 monthly	LTI	Training, Medical Surveillance Measurements, Noise Surveys, PPE(ear protection)	4	B	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	N	39	Flying Debris	39	Cuts, bruises, particles could get into the eye	Safety	Incorrect operation of the machine, not using PPE (eye protection, safety gloves), lack of machine guarding	Contractor	O&M Manager	3 monthly	First Aid	Machine guarding, toolbox talks, PPE (eye protection, safety gloves)	2	C	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) GSR Sec 2	None	None	N/A
Erecting and dismantling scaffold	N	40	Awkward Position, Heavy equipment	40	Scaffold could fall onto employees,Work-Related Upper Limb Disorder (WRULD)	Safety	Incorrect lifting technique, lack of continuous risk assessment, lack of training	Employees/contractors	O&M Manager	18 Monthly	LTI	Continuous risk assessment, two man rule, toolbox talks, training, scaffolding erector appointment.	4	B	III	Fully effective	None	Incident records, inspections	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) Section 8 and 14	None	None	N/A
Uses of electrical appliances in the kitchen (kettle and microwave and fridge)	R	41	boiling water in the kettle	41	burns, electrocution	Safety	incorrect handling of the kettle, lack of concentration	Employees/contractors/clean er/visitors	O&M Manager	Daily	Medical	Concentration and being vigilant at all times, following manufactures manual	3	C	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) Section 8 and 14	None	None	N/A
Working with batteries	N	42	Acid	41	Burns,explosions, respiratory related discomforts	Health	Explosive fumes build up, not using correct PPE (Rubber safety gloves, acid-repellant overalls, apron, face shield, dust mask), Lack of continuous risk assessment	Employees	O & M Manager	Monthly	LTI	Fire extinguisher, permit to work system, risk assessment, Eye safety shower, PPE (Rubber safety gloves, acid-repellant overalls, apron, face shield, dust mask), Test both safety showers if they work before working in the battery room.	4	B	III	Fully effective	None	Incident records, inspections	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
Use of lifts	N	43	Lifts	42	Get stucked or trapped inside, unconsciousness, trauma, Body parts could get caught between lift doors	Health	Faulty lifts, lack of maintenance, rushing into the lift without checking doors	Employees / contractors/Security guards/Visitors	O&M Manager	Daily, 2hrs	LTI	Service, routine inspections, EAP, Ensure to check doors are properly opened before entering	4	B	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
Use of lifts	N	44	Lifts	43	Get stucked or trapped inside, unconsciousness, trauma, Body parts could get caught between lift doors	Health	Using a wrong technique to keep the lift door open	Employees / contractors/Security guards/Visitors	O&M Manager	Daily, 2hrs	First Aid	Awareness training	2	B	IV	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	N	45	Floods	45	Drowning,trauma, production loss, damage to property	Safety	Plant failure, system/equipment failure, adverse weather conditions(heavy rains)	Employees / contractors	O&M Manager	Upon Occurrence	LTI	Emergency plan/preparedness, risk assessment, emergency drill routines	6	A	II	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	N	46	Bomb threat	46	Explosions,trauma	Safety	Unknown, terrorist attack	Employees / contractors/Security guards	O&M Manager	Upon Occurrence	LTI	Emergency plan/preparedness, risk assessment, emergency drill routines, contingency plans	4	A	II	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
Daily general tasks performed in the plant.	R	47	Community riots/ Civil unrest	47	Injuries, Damage to property	Safety	Unsatisfied customers (Delays in responding to faults, re-occurrence of similar faults and any other motives, load shedding)	Employees / contractors/Security guards	O&M Manager	Upon Occurrence	Medical	Emergency plan/preparedness, risk assessment, emergency drill routines,contingency plans, Contact SAPS	3	B	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) 32-123	None	None	N/A
	R	48	Explosions	48	Property damage, injuries	Safety	fuel tanks, batteries exploding, plant failure, human error	Employees / contractors/Security guards	O&M Manager	Upon Occurrence	LTI	Emergency plan/preparedness, risk assessment, emergency drill routines,contingency plans	4	A	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	49	Blackouts/Loss of power supply	49	Property damage, civil unrest, injuries	Safety	Adverse weather conditions, insufficient power supply, cable theft	Employees / contractors/Security guards	O&M Manager	Upon Occurrence	Medical	Emergency plan procedure/preparedness, risk assessment, emergency drill routines,contingency plans, emergency lighting, stand-by diesel generator, battery power supply	3	B	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	50	Hostage situations	50	Injuries, Damage to premises	Safety	Unknown, load shedding	Employees / contractors/Security guards	O&M Manager	Years to decades	LTI	Emergency plan procedure/preparedness, risk assessment, emergency drill routines,contingency plans,Contact SAPS	4	B	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	51	Fire	51	Smoke inhalation, burns	Health	Poor housekeeping, combustible materials kept with fuel where there is oxygen, oily rags stored close to heat envir	Employees / contractors/Security guards	O&M Manager	Years to decades	LTI	Emergency plan procedure/preparedness, risk assessment, emergency drill routines,contingency plans, fire extinguishers, fire hydrants, smoke detectors	4	B	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
Performing daily plant checks	R	52	slippery/wet floors	52	Slip,trip, and falls	Safety	Leaks	Employees	O&M Manager	Daily, 2hrs	Medical	Toolbox talk, be aware of your surroundings, cleaning, PPE (safety boots), wet floor signages, barricading where possible	3	B	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	53	Ergonomics	53	Twisting,bending	Health	Checking for leaks under equipment, poor ergonomics	Employees	O&M Manager	Daily, 2hrs	Medical	Toolbox talk,be aware of your surroundings, practice good ergonomic techniques	3	B	III	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	54	Noise	54	NIHL, tinnitus	Health	Operation of the plant(Pumping, generation)	Employees	O&M Manager	Daily, 2hrs	LTI	NIHL awarenessss, toolbox talks, Noise surveys, PPE (ear protection), noise safety signage	4	B	III	Fully effective	None	Incident records, medical surveillance, surveys	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) section 8 and 14, NIHL regulations 3, 4, 5, 6, 7 and 8	None	None	N/A
Collection and disposal of sewage	N	55	Health and Environmental	55	virus, Bacteria and environmental pollution	Health	Contamination through contact with sewage waste and poor health	Employees,Visitors, Contractors	O&M Manager	Once a month	Poor health and environmental degradation	Ensure employees vaccination is upto date proper usage of PPE is enforced and pipes,containers are leakage free.	4	B	III	Mostly effective	Training and awareness, employee engagement	Ensuring upto date vaccination certificates are obtained and valid waste certificates	O&M Manager	Occupational health and safety Act 85 of 1993	None	None	N/A

Operational or Station Activities	R	56	Psychosocial factors	56	Suicide, Stress, Depression , Bullying, Harrassment	Health	Divorce, Work Pressure, Personal Problems, Fanical Issues, Loss of loved one	Employees, contractors, Visitors, Suppliers	O&M Manager	Daily for 8 hours	Fatality, Hospitalised, Poor health	Eskom Assistant Program	5	B	II	Mostly effective	Training and awareness, employee engagement	Incident Analysis	O&M Manager	ISO 45001	2023/12/31	On-going	N/A
Alcohol test	R	57	most sites are using alcohol testing instruments and these instruments pose a risk to cross contamination with a previous infected user and to the person	57	The virus can easily spread from one person to another	Health	Cross contamination through: touching or inhaling where an infected person droplets fell or touching contaminated surface, not vaccinated	Employees,Visitors, Contractors	Covid-19 Manager, Compliance Officer, Security Personnel	Daily	Fatality, Poor work perfomance	Use disposable straws. Wipe the tester after every individual has tested. Used straws to be classified as health care risk waste and dispose accordingly	5	B	II	Mostly effective	Managers and supervisors to be conversant with the Eskom Management of Substance Abuse in the Workplace Procedure to ensure the well-being and safety of all persons at our sites.	In order to ensure safe and hygienic testing, employees are requested to adhere to the following while being tested: • not to spit, cough or sneeze on or towards the blow point on the breathalyser; • not to place their lips on the blow point of the breathalyser; only the mouthpiece should be in contact with the lips, • not to inhale or suck air from the blow point.	O&M Manager	Disaster Management Act, Occupational Health and Safety Measures in Workplaces COVID-19 (C19 OHS), 2020	None	None	N/A