Occupational Health and Safety Baseline risk assessment template

Business/Operating unit:	Peaking Palmiet	**Department:**	Risk & Assurance	**Next Review Date (every 2 years):**	06/08/2026
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Date:	06/08/2024	**Prepared by:**	Palmiet Team	**Authorised by:**	Name: Khaya Kelani Designation: Plant Manager Date: 06/08/2024
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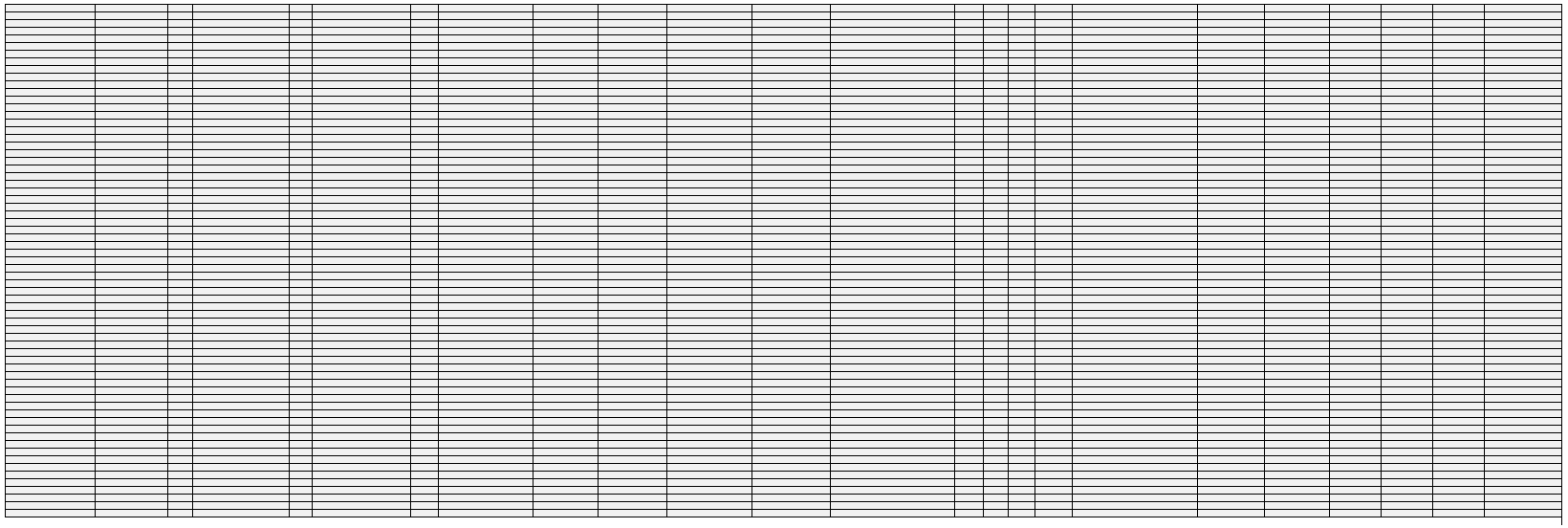
Refer to Occupational Health and Safety Risk assessment procedure 32-520

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*				*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*
													Consequence	Likelihood	Risk Priority No.(s)	RCE Risk Control Effectiveness						
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. N - Non-routine activities and situations are occasional or unplanned.	#	Anything with potential to cause of harm. **Note:** A hazard can pose more that 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 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)**				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)** **NB:** *The risk shall be evaluated, assessed and rated again once additional controls have been implemented and those controls rated as existing controls.*	How we know if we are succeeding, include comments on effectiveness. this may include i.e. meetings, inspections, supervision where necessary.	Person allocated the responsibility for implementing the agreed controls (if applicable)	Where relevant, list the relevant legislative and/ or Eskom requirements that prescribe the control.	Once a date has been agreed to, this can not be changed (if applicable)	Pending, In Progress, Complete (if applicable)	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)
Use of handtools & power tools	**R**	1	Defective/broken tools	1	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.		Supervisor	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**	Establish the "Use of home-made tools" procedure and formulate the task team to approve all home-made hand tools before use, Train all employees on the procedure	Behavioural safety observations, inspections, incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	2	Welding	2	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	maintainance employees	Supervisor	3 Monthly	LTI	Power tools training, Tools box talks, routine inspections, hot work monitor, fire fighting equipment Welding visor, welding apron	4	C	II	**Mostly effective**	Planned job observation to be conducted on the use of power tools.	Behavioural safety observations, inspections, incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	3	Grinding	3	Cuts, Noise, Burns, shocks, grinder blades breakage, vibrations, manual handling, tripping on cables,Engulfment(pedestal grinder), respitory diseases,	Safety	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,	maintainance employees	Supervisor	Once a month	LTI	Hand and power tools training, Tools box talks, routine inspections Safety goggles, overall, eye protection, safety boots, safety gloves	4	C	II	**Mostly effective**	Planned job observation to be conducted on the use of power tools.	Behavioural safety observations, inspections, incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	4	Compressed air	4	Eye and body injuries(blood clots)	Safety	Fitting coming adrift, Using compressed air to clean PPE	maintainance employees	Supervisor	3 monthly	LTI	Depressurise 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	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	5	Tools falling from heights	5	Possible property damage. Injury	Safety	Tools not secured, improper handling of tools	Maintainance employees	Supervisor	18 monthly	Fatality	Training, Tool box talks, behavioural observations, risk assessment, safety hat, safety boots	5	C	II	**Fully effective**	None	Behavioural safety observations, inspections, incident records	Supervisor/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	Supervisor	Daily	Fatality	Safety guard rails, Medical surveillance,working at height and rescue training, induction training, toolbox talks,Risk Assessment, Work Permit,Ladder training, inspections, safety clearance for working at heights, Life saving rules, safety harness	5	C	II	**Mostly effective**	Train and appoint fall protection development planner, Develop Fall protection plan,	Behavioural and planned task observations, incident records, inspections, Training needs analysis and matrix	Supervisor/Manager	Working at heights procedure(32-418), CR 6, 9 & 10, Section 8 and 14 of OHS Act , Life-saving Rules 240-62196227, Revision 6	None	None	N/A
Cleaning	**R**	7	Wet and slippery surface	7	Slip & Fall	Safety	Wet floors, spillage of oil (plant checks)	Employees / contractors	Supervisor	Monthly	LTI	Slipery floor Signs, Spill sob/ material, Safety boots	4	B	III	**Fully effective**	None	Behavioural observations, incident records, inspections	Supervisor/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, absorbtion through inhalation, Ingestion	Health	Not wearing PPE, not referring to MSDS's	Employees / contractors	Supervisor	Monthly	Medical	MSDS's, Toolbox talks,behavioural observations, dust mask, safety gloves	3	B	III	**Fully effective**	None	Behavioural observations, incident records, inspections	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	9	Exposure to hazardous biological substance at the sewage plant and in general	9	Contracting hepatitis	Health	Contact with hazardous biological substance	Employees/contractors	Supervisor	Monthly	Medical	Toolbox talks, Train exposed employees on HBA, Hepatitus A&B vaccination, dust mask, gloves, disposable coverall, gum boots.	3	B	III	**Fully effective**	None	Behavioural observations, incident records, inspections	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) HBA	None	None	N/A
Perform Operating Activities	**R**	10	Live apparatus/circuits	10	Electrocution, flash burns	Safety	Incorrect switching , linking and isolating	Employees	Supervisor	Weekly	Fatality	Permit to work system,isolation, test before touch, risk assessment, tool box talks, task observations, Life saving rules, Arch flash PPE	5	B	IV	**Fully effective**	None	Authorisations, Behavioura and planned task observation, incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), Live saving rule	None	None	N/A
	R	11	Heavy equipment(handling breakers)	11	Work related upper/limb disorder, back injuries	Health	Incorrect posture, lifting and interaction with heavy equipment	Employees	Supervisor	3 monthly	LTI	Training, toolbox talks, taking breaks, two man rule, PPE	4	B	III	**Fully effective**	None	Authorisations, Behavioura and planned task observation, incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993),	None	None	N/A
	R	12	Shift work	12	Stress, psychological issues, fatigue	Health	Lack of resting periods	Employees	Supervisor	Daily	LTI	Rotating shifts, engagements with management, Adhering to rest periods	4	B	III	**Fully effective**	None	Authorisations, Behavioura and planned task observation, incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993),	None	None	N/A
Performing Lifting Activities	**R**	13	Loading and offloading equipment	13	Equipment falling on employees or other equipment, Mechanical failure	Safety	Capacity not checked, Unserviced cranes, Inadequate inspection of lifting equipment, Incorrect rigging, Not following SWP, staff not trained properly, unauthorised personel, defective warning siren	Employees/contractors	Supervisor	Weekly	Fatality	Warning Siren,Training and legal appointments, Inspections,Site conditions,capacity checks/ SWL, pre-job brief, Planned task Observations, PPE (gloves, hard hats, safety boots)	5	B	II	**Fully effective**	None	Incident records, injections,Behaviours and planned task observation, Internal audits	Supervisor/Manager	MDR 18,		None	None	N/A
	N	14	Noise	14	NIHL, tinnitus	Health	Not using hearing protection, lack of training, operation of the machine, Noise level survey not conducted	Employees/contractors	Supervisor	Weekly	Medical	Awareness training, PPE, toolbox talk, pre-job brief, NIHL awareness, Noise survey, ear protection	3	C	II	**Mostly effective**	Arrange to have noise survey conducted on all mobile equipment	Surveys, incidents records	Supervisor/Manager	MDR 18,NIHL regulations	None	None	N/A
	N	15	Unauthorised personnel operating mobile equipment	15	Property/lifting equipment damage, Serious injuries	Safety	No training, Unauthorised personel, No Supervision, Not following Safe work procedures	Employees/contractors	Supervisor	Weekly	Fatality	Training/authorisation.Supervision, Observations, toolbox talks.	5	B	II	**Fully effective**	None	Incident records, injections,Behaviours and planned task observation	Supervisor/Manager	MDR 18,	None	None	N/A
	N	16	Diesel Fumes	16	Respiratory diseases	Health	Inadequate PPE, lack of supervion, lack of risk assessment, lack of service, using machine that is not serviced	Employees/contractors	Supervisor	Weekly	Medical	Supervision and regular breaks, proper training and authorisation, medical surveillance, pre-job brief, dust mask,	3	C	II	**Fully effective**	None	Incident records, injections,Behaviours and planned task observation	Supervisor/Manager	MDR 18,	None	None	N/A
	N	17	Poor viability	17	Crushing, property damage	Safety	Raised load obscuring the viability, not using Banksmen	Employees/contractors	Supervisor	Weekly	Fatality	Use of Banksman, toolbox talk, training and appointments, siren, reverse alarm, rotating light, pre-trip inspections	5	A	II	**Fully effective**	None	Incident records, injections,Behaviours and planned task observation	Supervisor/Manager	MDR 18,	None	None	N/A
	N	18	Moving under suspended loads	18	Head injuries	Safety	lack of risk assesment, unauthorised personel	Employees/contractors	Supervisor	Weekly	Fatality	Supervision by responsible person, Hard hat, safety signages for use of hard hat	5	B	II	**Fully effective**	None	Incident records, injections,Behaviours and planned task observation	Supervisor/Manager	MDR 18, OHS Act 8.2(i)	None	None	N/A
	N	19		19	Struck by, caught in between, lifting tackle could snap and break	Safety	Inadequate inspection of lifting equipment, Incorrect rigging	Employees/contractors	Supervisor	Weekly	Fatality	Routine inspections, training, supervision	5	B	II	**Fully effective**	None	Incident records, injections,Behaviours and planned task observation	Supervisor/Manager	MDR 18, OHS Act 8.2(i)	None	None	N/A
Working in confined spaces	**R**	20	Oxygen deficiency	20	Unconsciousness, asphyxiation	Health	Incompetency, lack of emergency drills, lack of risk assessment, lack of atmospheric testing, Absence of BA (breathing apparatus)	Employees/Contractors	Supervisor	18 monthly	Fatality	Permit to work, Risk Assessment, Training,Oxygen monitoring arrangements, safe means of access and egress, Emergency drill exercises, safety harness	5	A	II	**Mostly effective**	Compile emergency drill plan, conduct the drill exercise,	Incident records, Behaviours and planned task observation	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), GSR 5, 33-125	31/03/2020	In-progress	N/A
	R	21	Heat	21	Heat stress, heat stroke, dehydration, unconsciousness	Health	Lack/improper ventilation, not allowing cool-off time	Employees/Contractors	Supervisor	18 monthly	Medical	Medical surveillance, openings to allow ventilation, training, mechanical ventilation,permit to work system	3	A	IV	**Fully effective**	None	Incident records, Behaviours and planned task observation	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), GSR	None	None	N/A
	R	22	Water	22	Drowning	Health	Lack of training , lack of emergency drills, lack of risk assessment.	Employees/Contractors	Supervisor	18 monthly	Medical	Emergency plan procedure, risk assessment, adequate PPE (chin strap hard hat, breathing apparatus, safety boots) permit to work system, Medical surveillance	3	A	IV	**Fully effective**	Compile emergency drill plan, conduct the drill exercise,	Incident records, Behaviours and planned task observation	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), GSR 5, 33-125	None	None	N/A
	R	23	Restricted space	23	struck against or body strain	Health	Not physically or medically fit,lack of training , lack of emergency drills, lack of risk assessment,Poor ergonomics,	Employees/Contractors	Supervisor	18 monthly	Medical	Medical surveillance, permit to work system,Emergency preparedness procedures, (chin strap hard hat, breathing apparatus, safety boots), mock drills	3	A	IV	**Fully effective**	Compile emergency drill plan, conduct the drill exercise,	Incident records, Behaviours and planned task observation	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), GSR 5, 33-125	None	None	N/A
	R	24	Toxic,explosive,flammable atmosphere	24	Fire, Unconsciousness	Safety/Health	Incompetency, lack of emergency drills, lack of risk assessment, lack of atmospheric testing, Inadequate PPE	Employees/Contractors	Supervisor	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, Behaviours and planned task observation	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993),	None	None	N/A
Working in the field	**R**	25	Snakes	25	Snake bites	Health	Lack of awareness, Lack of attention/ Inappropriate PPE/ Unaware of danger in the vicinity	Employees/Contractors	Supervisor	Monthly	Fatality	Snake Awareness training, toolbox talk, be aware of your surroundings, overall and safety gloves, safety goggles and safety boots/ closed shoes	6	B	II	**Fully effective**	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), Sec 8, 14, 23(i) a	None	None	N/A
	R	26	Wet or slippery or uneven surfaces	26	Slip, trip and fall	Safety	Lack of focus, unaware of the risk	Employees/Contractors	Supervisor	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	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), OHS Act Sec 8, 14	None	None	N/A
	R	27	Extreme temperatures/ thermal environments	27	Heat and cold stress, dehydration	Health	Lack of awareness, Improper PPE (sun screen, Sun hats and winter jackets), long working hours	Employees/Contractors	Supervisor	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	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) OHS Act Sec 8, 14	None	None	N/A
	R	28	Insects	28	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	Supervisor	Monthly	Medical	Awareness training,pre-job briefs , insect repellent spray and lotion.	3	B	III	**Fully effective**	None	Incident records	Supervisor/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**	29	Inadequate/ Excessive lighting levels	29	Straining and or irritation of the eyes, eye damage, headaches	Health	Working in areas with poor/ excessive lighting	Employees	Supervisor	Daily, 8hrs	Medical	Illumination Surveys, blinds	2	C	III	**Fully effective**	None	incident records, surveys	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), Environmental regulations for workplaces, section 3 and 4	None	None	N/A
	R	30	Wet or slippery or uneven surfaces	30	Slip, trip & Fall	Safety	Poor housekeeping,lack of focus/ no sign indicating wet floor, lack of awsness	Employees	Supervisor	Daily, 8hrs	Medical	Be aware of where you are stepping, clean up spills immediately, toolbox talks.	4	B	III	**Fully effective**	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993),	None	None	N/A
	R	31	Office Furniture Set up		Struck by or Collision with office furniture	Safety	Inadequate office space, poor office set up	Employees/Contractors	Supervisor	Daily, 8hrs	First Aid	Awareness Training, Limited furniture in the offices, Proper office set up	3	B	III	**Fully effective**	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 Section 8 and 14	None	None	N/A
	R	32	Removing paper jams	31	Cuts, engulfment, shearing,crushing injuries	Safety	Lack of concentration to the task at hand,	Employees	Supervisor	Daily, 8hrs	First Aid	Guard over blade, Toolbox talk, Safety awareness	3	B	III	**Fully effective**	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 Section 8 and 14	None	None	N/A

	R	33	Sitting in awkward positions,Poor ergonomics at workstations	32	Work related upper limb disorders, repetetive strain syndrome, carpal tunnel syndrome	Health	No Regular breaks, Incorrect posture	Employees	Supervisor	Daily, 8hrs	Medical	Toolbox talks,Awareness, Avoid long working sessions, Ergonomic survey	3	B	III	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
Driving	R	34	Overspeeding	33	Vehicle accident	Safety	Not adhering to the speed limit, pressed for time	Employees/contractors	Supervisor	Daily	Fatalities	Mix telematics and coaching	6		I	Mostly effective	Consider conducting driver observation on each driver and keep records	Driver risk profile, incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), Driver safety procedure,	31-Dec-24	Pending	N/A
	R	35	Driving on public roads and or private roads		Vehicle accident	Safety	Lone worker: Driving alone, Driving in high crime zones /areas, driving at night	Employees	Supervisor	Daily	Fatalities, Theft	Route and travelling planning, vehicle tracking device, awareness, alertness, reporting pre and post driving	6	C	I	Mostly effective	None	Driver risk profile, incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), Driver safety procedure,	None	None	N/A
	R	36	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 before reversing, reversing in congested areas	Employees/contractors/	Supervisor	Daily	Fatalities	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. Always have some one to guide you when reversing if possible. Security guards to always assist by guiding the driver at the gate to prevent reverse incidents.	6	C	I	Fully effective	None	Driver risk profile, incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) NRT Act	None	None	N/A
Use of Chainsaw, Weed eater	N	36	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	Supervisor	3 monthly	LTI	Proper training ,medical surveillance, PPE (dust mask and safety goggles)	4	B	III	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 Section 8 and 14	None	None	N/A
	N	37	Manual handling	36	Fatigue, Back, shoulder, neck, foot injuries injuries	Health	Not taking breaks, incorrect lifting technique, failure to wear proper PPE, burns	Contractor	Supervisor	3 monthly	LTI	Training, toolbox talks, taking breaks, eye protection, dust mask, hard hat, overalls, safety apron	4	B	III	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) OSR Section 2	None	None	N/A
	N	38	Vibration	37	Hand-Arm Vibration Syndrom	Health	Operation of the machine, maintanance/cleaning of the machine, lack of supervision, lack of training	Contractor	Supervisor	3 monthly	Medical	Rotation of operator, training, medical surveillances, use of gloves able to absorb vibration	3	B	III	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	N	39	Noise	38	NIHL, tinitus	Health	No training, failure to wear PPE(ear protection)	Contractor	Supervisor	3 monthly	Medical	Training, Medical Surveillance Measurements, Noise Surveys, PPE(ear protection)	3	B	III	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	N	40	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	Supervisor	3 monthly	First Aid	Machine guarding, toolbox talks, PPE (eye protection, safety gloves)	2	C	III	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
Erecting and diamantling scaffold	N	41	Awkward Position, Heavy equipment	40	Scaffold could fall onto employees,Work- Related Upper Limb Disorder (WRULD)	Safety/Health	Incorrect lifting technique, lack of continuous risk assessment, lack of training	Employees/contractors	Supervisor	18 Monthly	Fatality	Continuous risk assessment, two man rule, toolbox talks, training, scaffolding erector appointment.	5	A	II	Fully effective	None	Incident records, inspections	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993 Section 8 and 14	None	None	N/A
Working with batteries	R	42	Acid, hydrogen fumes	41	Burns,explosions, respiratory related discomforts	Health	Explosive fumes build up, not using correct PPE (Rubber safety gloves, acid-repellent overalls, apron, face shield, dust mask), Lack of continous risk assessment	Employees	Supervisor	Monthly	LTI	Fire extinguisher, permit to work system, risk assessment, Eye safety shower, PPE (Rubber safety gloves, acid-repellent overalls, apron, face shield, dust mask), Test both safety showers if they work before eyeline in the battery room.	4	B	III	Fully effective	None	Incident records, inspections	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
Use of stairs	N	43	Stairs	42	Tripfalip and fall	Safety	Wear and tear, lack of concentration, overplaying height, not applying three point contact, no "hold hand rail while step"	Employees / contractors	Supervisor	Daily, 2hrs	LTI	Apply three point contact, safety inspections, Awareness, Maintenance when necessary, safety signage	4	B	III	Fully effective	Safety signage (Hold hand-rails)	Incident records	Supervisor/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	Faulty lifts, lack of maintenance, rushing into the lift without checking doors	Employees / contractors	Supervisor	Daily, 2hrs	LTI	Service, routine inspections, EAP, Ensure to check doors are properly opened before entering	4	C	II	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
				44	Using a wrong technique to keep the lift door open	Safety	Using a wrong technique to keep the lift door open	Employees / contractors	Supervisor	Daily, 2hrs	First Aid	Awareness training	2	B	IV	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
Daily general tasks performed in the plant.	N	45	Floods	45	Drowning,trauma, production loss, damage to property	Safety	Plant failure, system/equipment failure, adverse weather conditions	Employees / contractors	Supervisor	Years to decades	Fatalities	Emergency plan/preparedness, risk assessment, emergency drill routines	6	A	II	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	N		Bomb threat	46	Explosions,trauma	Safety	Unknown, terrorist attack	Employees / contractors/Security guards	Supervisor	Years to decades	Fatalities	Emergency plan/preparedness, risk assessment, emergency drill routines, contigency plans	6	A	II	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	N	46	Community riots/ Civil unrest	47	Injuries, Damage to property	Safety	Unsatisfied customers (Delays in responding to faults, re-occurance of similar faults and any other motives, load shedding)	Employees / contractors/Security guards	Supervisor	5 times year	Medical	Emergency plan/preparedness, risk assessment, emergency drill routines,contigency plans, Contact SAPS	3	C	II	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) 32-123	None	None	N/A
	N	47	Explosions	48	Property damage, injuries	Safety	fuel tanks, batteries exploding, plant failure, human error	Employees / contractors/Security guards	Supervisor	Years to decades	Fatalities	Emergency plan/preparedness, risk assessment, emergency drill routines,contigency plans	6	A	III	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	N	48	Blackouts/Loss of power supply	49	Property damage, civil unrest, Injuries	Safety	Adverse weather conditions, insufficient power supply, cable theft	Employees / contractors/Security guards	Supervisor	5 times year	Medical	Emergency plan procedure/preparedness, risk assessment, emergency drill routines,contigency plans, emergency lighting, stand-by diesel generator, battery power supply	3	C	II	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	N	49	Hostage situations	50	Injuries, Damage to premises	Safety	Unknown, load shedding	Employees / contractors/Security guards	Supervisor	Years to decades	LTI	Emergency plan procedure/preparedness, risk assessment, emergency drill routines,contigency plans,Contact SAPS	4	B	III	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	N	50	Fire	51	Smoke inhalation, burns	Safety/Health	Poor housekeeping, combustible materials kept with fuel where there is oxygen, oily rags stored close to heat sour	Employees / contractors/Security guards	Supervisor	Years to decades	LTI	Emergency plan procedure/preparedness, risk assessment, emergency drill routines,contigency plans, fire extinguishers, fire hydrants, smoke detector	4	B	III	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
Perfoming daily plant checks	R	51	slippery/wet floors	52	Slip,trip, and falls	Safety	Leaks	Employees	Supervisor	Daily, 2hrs	Medical	Toolbox talk,be aware of your surroundings, clearing, PPE (safety boots), wet floor signages, barricading where possible	3	B	III	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	52	Ergonomics	53	Twisting,bending	Health	Checking for leaks under equipment, poor ergonomics	Employees	Supervisor	Daily, 2hrs	LTI	Toolbox talk,be aware of your surroundings, practice good ergonomic techniques	4	C	II	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	53	Noise	54	NIHL, tinitus	Health	Operation of the plant(Pumping, generation)	Employees	Supervisor	Daily, 2hrs	Medical	NIHL awarenessses, toolbox talks, Noise surveys, PPE (ear protection), noise safety signage	3	C	II	Fully effective	None	Incident records, medical surveillance, surveys	Supervisor/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
Routine maintenance of the plant	R	54	Abestos containing material	55	Aabestosis, Mesothelioma, Lung cancer	Health	Inhalation of asbestos fibres while working around the areas that contain asbestos or during the removal of asbestos	Employees, contractors, Visitors	Supervisor	18 monthly, 2 hours	Fatalities	Asbetos Risk Assessment, Asbestos Inventory is in place, Asbestos Awareness,Asbestos Removal is done by Asbestos Contractor, Asebtos Labelling	2	C	III	Mostly effective	- Adherence to th asbestos removal plan	Asbestos surveys, Supervision, updated asbestos inventory	Supervisor/Manager	Asbestos Abatement Regulations, 2020 from the OHS Act and Eskom Asbestos Standard 32 303 (Requirements for the Safe Processing, Handling, Storage, Disposal, and Phase out of Asbestos)!	31-Dec-25	None	N/A
Operational or Station Activities	R	55	Psychosocial factors	56	Suicide, Stress, Depression , Bullying, Harrassment	Health	Divorce, Work Pressure, Personal Problems, Fanancial issues, Loss of loved one	Employees, contractors, Visitors, Suppliers	Manager/Supervisor	Daily for 8 hours	Fatality, Injuries, Poor work performance	Eskom Assistant Program	4	B	III	Mostly effective	Training and awareness, employee engagement	Incident Analysis	Manager/Supervisor	ISO 45001	31-Dec-24	Ongoing	N/A
Covid 19 management	R	56	Coughing and high body temperature	57	Exposure to covid 19 related infections and symptoms	Health	Poor hygiene practices ,failure to continually sanitise and failure to seek proper medical advice.	Employees, contractors, Visitors, Suppliers	Manager/Supervisor	Daily	Fatality and Madical incidents	Continuously sanitizing work areas /hands and follow all covid 19 Eskom practice / procedures	2	B	III	Mostly effective	None	Covid 19 Incident Analysis , Proper site access control policy.	Manager/Supervisor	The Disaster Management Act 57 of 2002	None	None	N/A