

Peaking Palmiet		Occupational Health and Safety Baseline risk assessment template																								
Business/Operating unit:		Department:							Palmiet									Next Review Date (every 2 years):		06/08/2026	Template identifier:	240-70044602				
Date: 31/07/2025		Prepared by:							Authorised by:							Name: Khaya Kebeni									Document identifier:	
		Palmiet Team														Designation: Plant Manager									Revision number:	5
																Date: 31/07/2025									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 worse case scenario without controls?	Include: - <b>Preventative Controls</b> (controls implemented to eliminate hazards or reduce the likelihood of the risk occurring), and - <b>Reactive Controls</b> (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>  NB: The risk shall be evaluated, assessed and rated again once additional controls have been implemented and those controls listed as existing controls.				RCE Risk Control Effectiveness	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 (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/Limited working working space	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.	maintenance employees	Supervisor	Daily for 2hrs	LTI	Work Packages, Hand tools training, Tools box talks,routine inspections PPE- eye protection, apron, overall, safety boots	4	C	II	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			
		2	Defective/broken tools/Limited working working space	2	ergonomics, manual handling	Health	Not wearing PPE, incorrect methods, excessive use of equipment and tools, lack of continuous risk assessment, inadequate inspections, Use of unapproved homemade tools.	maintenance employees	Supervisor	Daily for 2hrs	LTI	Work Packages, Hand tools training, Tools box talks,routine inspections PPE- eye protection, apron, overall, safety boots	4	C	II	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	3	Welding	3	respiratory disease, welding fume fever	Health	Not wearing PPE, incorrect methods, lack of continuous risk assessment , Defective welding machines, inspections, lack of monitoring	maintenance employees	Supervisor	3 Monthly	LTI	Power tools training, Tools box talks, routine inspections, hot work monitor, fire fighting equipment Welding visor, welding apron	4	B	III	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	Welding	4	Burns, flash burns(arc eye), electrical shock, fire	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	Supervisor	3 Monthly	LTI	Power tools training, Tools box talks, routine inspections, hot work monitor, fire fighting equipment Welding visor, welding apron	4	B	III	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	5	Grinding	5	vibrations, manual handling, 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,Inadequate inspections,	maintenance 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	6	Grinding	6	Cuts, Burns, shocks, grinder blades breakage, tripping on cables,Engulfment(pedestal grinder), respiratory disease,	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,	maintenance 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	7	Compressed air	7	Eye and body injuries(blood clots)	Safety	Fitting coming adrift, Using compressed air to clean PPE	maintenance employees	Supervisor	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	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A			
	R	8	Tools falling from heights	8	Possible property damage ,injury	Safety	Tools not secured, improper handling of tools	Maintenance 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	9	Falling from height	9	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 8, 9 &10, Section 8 and 14 of OHS Act, Life-saving Rules 240-62196227, Revision 6.	None	None	N/A			
Cleaning	R	10	Wet and slippery surface	10	Slip & Fall	Safety	Wet floors, spillage of oil (plant checks)	Employees / contractors	Supervisor	Monthly	LTI	Slippery floor Signs, Spill sobi/ 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	11	Cleaning chemical agents	11	Absorption through skin, absorption through Inhalation, Ingestion	Health	Not wearing PPE, not referring to MSDS's	Employees / contractors	Supervisor	Monthly	Medical	SDS'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	12	Exposure to hazardous biological substance at the sewage plant and in general	12	Contracting hepatitis	Health	Contact with hazardous biological substance	Employees/contractors	Supervisor	Monthly	Medical	Toolbox talks, Train exposed employees on HBA, Hepatitis 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 4.1	None	None	N/A			
Perform Operating Activities	R	13	Live apparatus/circuits	13	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	II	Fully effective	None	Authorisations, Behaviour and planned task observation, incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), Life saving	None	None	N/A			
	R	14	Heavy equipment(handling breakers)	14	Work related upperlimb 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, Behaviour and planned task observation, incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A			
		15	Mobile Diesel generator - Noise	15	NiHL, tinnitus	Health	Not using hearing protection, lack of training, operation of the machine, Noise level survey not conducted	Employees/contractors	Supervisor	Monthly	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	31/12/2025	None	N/A			
	R	16	Shift work	16	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, Behaviour 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	17	Loading and offloading equipment	17	Equipment falling on employees or other equipment, Mechanical failure	Safety	Capacity not checked, Unserved cranes, inadequate inspection of lifting equipment, Incorrect rigging, Not following SWP, staff not trained properly, unauthorised personnel, defective warning siren	Employees/contractors	Supervisor	Weekly	Fatality	Warning Siren,Training and legal appointments, inspections,Site conditions,capacity checker/ SWL, pre-job brief, Planned task Observations, PPE (gloves, hard hats, safety boots)	5	B	II	Fully effective	None	Incident records, inspections,Behaviours and planned task observation, internal audits	Supervisor/Manager	MDR 18,	None	None	N/A			
	N	18	Noise	18	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	31/12/2025	None	N/A			
	N	19	Unauthorised personnel operating mobile equipment	19	Property/lifting equipment damage, Serious injuries	Safety	No training, Unauthorised personnel, 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, inspections,Behaviours and planned task observation	Supervisor/Manager	MDR 18,	None	None	N/A			
	N	20	Diesel Fumes	20	Respiratory diseases	Health	Inadequate PPE, lack of supervision, 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, inspections,Behaviours and planned task observation	Supervisor/Manager	MDR 18,	None	None	N/A			
	N	21	Poor visibility	21	Crushing, property damage	Safety	Raised load obscuring the visibility, not using Bankman	Employees/contractors	Supervisor	Weekly	Fatality	Use of Bankman, toolbox talk, training and appointments, siren, reverse alarm, rotating light, pre-trip inspections	5	A	II	Fully effective	None	Incident records, inspections,Behaviours and planned task observation	Supervisor/Manager	MDR 18,	None	None	N/A			
	N	22	Moving under suspended loads	22	Head injuries	Safety	lack of risk assessment, unauthorised personnel	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, inspections,Behaviours and planned task observation	Supervisor/Manager	MDR 18, OHS Act 8-20)	None	None	N/A			
	N	23		23	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, inspections,Behaviours and planned task observation	Supervisor/Manager	MDR 18, OHS Act 8-20)	None	None	N/A			
	R	24	Oxygen deficiency	24	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, 32-123	31/12/2025	In-progress	N/A			

Working in confined spaces	R	25	Heat	25	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, Behaviour and planned task observation	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	26	Water	26	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	Comple emergency drill plan, conduct the drill exercise.	Incident records, Behaviour and planned task observation	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), GSR 5, 32-123	None	None	N/A
	R	27	Restricted space	27	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	Comple emergency drill plan, conduct the drill exercise.	Incident records, Behaviour and planned task observation	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), GSR 5, 32-123	None	None	N/A
	R	28	Toxic,explosive,flammable atmosphere	28	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	III	Fully effective	None	Incident records, Behaviour 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	29	Snakes	29	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	5	C	II	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), Sec 8, 14, GSR 2	None	None	N/A
	R	30	Wet or slippery or uneven surfaces	30	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	31	Extreme temperatures/ thermal environments	31	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	32	Insects	32	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	33	Inadequate/ Excessive lighting levels	33	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	34	Wet or slippery or uneven surfaces	34	Slip, trip & Fall	Safety	Poor housekeeping, lack of focus/ no sign indicating wet floor, lack of awareness	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	35	Office Furniture Set up	35	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)	None	None	N/A
	R	36	Removing paper jams	36	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	37	Sitting in awkward positions, Poor ergonomics at workstations	37	Work related upper limb disorders, repetitive 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	38	Overspeeding	38	Vehicle accident	Safety	Not adhering to the speed limit, pressed for time	Employees/contractors	Supervisor	Daily	Fatalities	Mix telematics and coaching, Safety Campaigns	6	C	I	Mostly effective	Consider conducting driving safety campaing and keep records	Driver risk profile, incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), Driver safety procedure, NRT Act	31-Dec-25	Pending	N/A
	R	39	Driving on public roads and or private roads	39	Vehicle accident	Safety	Lone worker: Driving alone, Driving in high crime zones /areas, driving at night	Employees	Supervisor	Daily	Fatality, Theft	Route and travelling planning, vehicle tracking device, awareness, alertness, reporting pre and post driving	5	C	II	Mostly effective	None	Driver risk profile, incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), Driver safety procedure, NRT Act	None	None	N/A
	R	40	Driving on public roads and or private roads	40	Vehicle accident	Safety	Not adhering to the speed limit. Not paying attention, not familiar with the road, making use of cellphones, 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, Ekam 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	Consider conducting driving safety campaing and keep records	Driver risk profile, incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) NRT Act	31-Dec-25	None	N/A
Use of Chainsaw, Weed eater	N	41	Diesel fumes, Saw dust	41	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	42	Manual handling	42	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) GSR Section 2	None	None	N/A
	N	43	Vibration	43	Hand-Arm Vibration Syndrom	Health	Operation of the machine, maintenance/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	44	Noise	44	NHL, tinnitus	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	45	Flying Debris	45	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) GSR Sec 2	None	None	N/A
Erecting and dismantling scaffold	N	46	Awkward Position, Heavy equipment	46	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	47	Acid, hydrogen fumes	47	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	Supervisor	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	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
Use of stairs	N	48	Stairs	48	Trips/ slip and fall	Safety	Wear and tear, lack of concentration, misjudging height, not applying three point contact, no 'hold hand rail safety sign'	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)	31-Dec-25	None	N/A
Use of lifts	N	49		49	Get stucked or trapped inside, unconsciousness, trauma, Body parts could get caught between lift doors	Health	Get stucked or trapped inside, unconsciousness, trauma, Body parts could get caught between lift 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
		50		50		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	51	Floods	51	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	I	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	N	52	Bomb threat	52	Explosions, trauma	Safety	Unknown, terrorist attack	Employees / contractors/Security guards	Supervisor	Years to decades	Fatalities	Emergency plan/preparedness, risk assessment, emergency drill routines, contingency plans	6	A	I	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	N	53	Community riots/ Civil unrest	53	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	Supervisor	5 times year	Medical	Emergency plan/preparedness, risk assessment, emergency drill routines, contingency 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	54	Explosions	54	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, contingency plans	4	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	55	Blackouts/ Loss of power supply	55	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, contingency 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	56	Hostage situations	56	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, contingency 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	57	Fire	57	Smoke inhalation, burns	Safety/Health	Poor housekeeping, combustible materials kept with fuel where there is oxygen, oily rags stored close to heat emit	Employees / contractors/Security guards	Supervisor	Years to decades	LTI	Emergency plan procedure/preparedness, risk assessment, emergency drill routines, contingency plans, fire extinguishers, fire hydrants, smoke detectors	4	B	II	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
Performing daily plant checks	R	58	Slippery/wet floors	58	Slip, trip, and falls	Safety	Leaks	Employees	Supervisor	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	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	59	Ergonomics	59	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	60	Noise	60	NHL, tinnitus	Health	Operation of the plant(Pumping, generation)	Employees	Supervisor	Daily, 2hrs	Medical	NHL, awareness, 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, NHL regulations 3, 4, 5, 6, 7 and 8	None	None	N/A

[illegible]

