



Driving	R	34	Driving while intoxicated	34	Vehicle accident	Safety	Not adhering to rules of the road and not following the saving rules	Employees/contractors	O&M Manager	Daily	Fatality	Driver risk Profile, Awareness training, Follow the saving rules acknowledgement	5	C	I	Mostly effective	Consider conducting driver observation in each drive and keep records	Driver risk profile, incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	On-going	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 being with the road, making use of cellphones, distractions, complicated routes, pedestrians and the road, Taxi and Truck on the road, Civil works, Negligent driving, Not adhering to the saving rules, failure to check blind spots when overtaking	Employees/contractors	O&M Manager	Daily	Fatality	Risk Mitigation and coaching, Pre and post trip inspection, Not being with the road, following distance, Driver's license, Driver risk profile, Follow work permit, Efforts to adhere to all road traffic rules	5	C	I	Mostly effective	None	Driver risk profile, incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) NPT Act	None	On-going	N/A
Weed trimmer	R	35	Deafed forms, 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	L31	Proper training, medical surveillance, PPE (dust mask and safety goggles)	4	B	II	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	35	Manual handling	35	Fatigue, Back, shoulder, neck, foot injuries, sprains	Health	Not taking breaks, incorrect lifting technique, failure to wear proper PPE, posture	Contractor	O&M Manager	2 monthly	L31	Training, toolbox talks, taking breaks, eye protection, dust mask, heel hat, corsets, safety apron	4	B	II	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) COS Section 2	None	None	N/A
	R	37	Vibration	37	Musculoskeletal	Health	Operation of the machine, maintenance/lack of the machine, lack of supervision, lack of training	Contractor	O&M Manager	3 monthly	Medical	Rotation of operator, training, medical surveillance	3	B	II	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	35	Noise	35	MHL, tinnitus	Health	No training, failure to wear PPE (ear protection)	Contractor	O&M Manager	3 monthly	Medical	Training, Medical Surveillance Measurements, Noise Surveys, PPE (ear protection)	3	B	II	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	35	Flying Debris	35	Cuts, bruises, particles could get into the eye	Safety	Incorrect operation of the machine, not using PPE (eye protection, safety glasses), lack of machine guarding	Contractor	O&M Manager	2 monthly	First Aid	Machine guarding, toolbox talks, PPE (eye protection, safety glasses)	2	C	II	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) COS Sec 2	None	None	N/A
Erecting and dismantling scaffold	R	40	Awkward Position, Heavy equipment	40	Scaffold could fall onto employees, Work-related Upper Limb Disorder (WRULD)	Safety/Health	Incorrect lifting technique, lack of confidence risk assessment, lack of training	Employees/contractors	O&M Manager	18 Monthly	Fatality	Continuous risk assessment, two man rule, toolbox talks, training, scaffolding master appointment	5	A	II	Fully effective	None	Incident records, inspections	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	41	Acid	41	Burns, asphyxiation, respiratory related disorders	Health	Explosive fumes build up, not using correct PPE (Respirator safety glasses, acid resistant clothing, apron, face shield, acid mask), Lack of confidence risk assessment, lack of machine guarding	Employees	O & M Manager	Monthly	L31	Fire extinguisher, permit to work system, risk assessment, Eye safety shower, PPE (Respirator safety glasses, acid resistant clothing, apron, face shield, acid mask), Test both safety showers if they work before monthly 1:10 before commencing	4	B	II	Fully effective	None	Incident records, inspections	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) Section 4 and 14	None	None	N/A
Working with batteries	R	43	Lifts	44	Get stucked or trapped inside, entrapment, trauma, Body parts could get caught between lift doors	Safety	Using a wrong technique to keep the lift door open	Employees / contractors	O&M Manager	Daily, 2hrs	L31	Awareness training	4	C	I	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	44	Floods	45	Drowning, trauma, production loss, damage to property	Safety	Pierst failure, system/component failure, adverse weather conditions (heavy rains)	Employees / contractors	O&M Manager	Upon Occurrence	Fatality	Emergency plan/procedures, risk assessment, emergency drill routine	6	A	I	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	45	Bomb threat	45	Explosions, trauma	Safety	Unknown, terrorist attack	Employees / contractors/Security guards	O&M Manager	Upon Occurrence	Fatality	Emergency plan/procedures, risk assessment, emergency drill routine, contingency plans	6	A	I	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	N/A
	R	46	Community riots/Civil unrest	47	Injuries, Damage to property	Safety	Unidentified customers (Delays in responding to faults, re-occurrence of similar faults and any other malfunctions, load shedding)	Employees / contractors/Security guards	O&M Manager	Upon Occurrence	Medical	Emergency plan/procedures, risk assessment, emergency drill routine, contingency plans, Contact SAPS	3	C	II	Fully effective	None	Incident records	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) SAP 123	None	None	N/A
	R	47	Explosions	48	Property damage, injuries	Safety	Fuel leaks, batteries exploding, plant failure, human error	Employees / contractors/Security guards	O&M Manager	Upon Occurrence	Fatality	Emergency plan/procedures, risk assessment, emergency drill routine, contingency plans	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
	R	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	O&M Manager	Upon Occurrence	Medical	Emergency plan/procedures/procedures, risk assessment, emergency drill routine, contingency plans, emergency lighting, stand-by diesel generator, Safety 24/24/24/24	3	C	II	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	Hostage situations	50	Injuries, Damage to premises	Safety	Unknown, load shedding	Employees / contractors/Security guards	O&M Manager	Years to decades	L31	Emergency plan/procedures/procedures, risk assessment, emergency drill routine, contingency plans, risk assessment, emergency drill routine, contingency plans, Contact SAPS	4	B	II	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	51	Slipping/fall over	52	Slipping, and falls	Safety	Poor housekeeping, combustible materials kept with fuel where there is a register, oily rags stored close to heat and	Employees / contractors/Security guards	O&M Manager	Years to decades	L31	Emergency plan/procedures/procedures, risk assessment, emergency drill routine, contingency plans, fire extinguishers, fire hydrant, smoke detectors	4	B	II	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	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, clearing PPE (safety boots), wet floor signages, maintaining clear passages	3	B	II	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	Noise	54	MHL, tinnitus	Health	Operation of the plant(Pumping, generation)	Employees	O&M Manager	Daily, 2hrs	Medical	MHL, awareness, toolbox talks, Noise surveys, PPE (ear protection), noise safety signage	3	C	I	Fully effective	None	Incident records, medical surveillance, signage	O&M Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) section 8 and 14, NPT regulations 3, 4, 5, 6, 7 and 8	None	None	N/A
Exposure to COVID-19 in the reception area, operating room, station area, office spaces, kitchen & canteen facilities	R	55	COVID-19 Exposure	55	15 health of employees/Fatality	Health	Contact with people who might be exposed to COVID-19 or testing of surfaces	Employees/Contractors	Business Enablement Manager	Daily, drive	Psychological stress, acute respiratory distress syndrome(ARDS), It can potentially affect other organs like, the heart, brain, kidney and permanent long damage of organs	Self-screening prior leaving plant of malfunctions, Decontaminating all station premises, Electronic register to be completed upon arrival on site, Sanitization of hands, Observing social distance, Wearing of masks at all times	5	C	I	Mostly effective	Direct printing to be implemented	Inspections, Weekly COVID-19 Compliance checklist report	O&M Managers COVID-19 Compliance Officer	Disaster Management Act No. 57 of 2003 & OHS Act 85 of 1995	None	None	N/A
	R	56	Alcohol test	56	Alcohol tests are using alcohol testing instruments and these instruments pose a risk to cross contamination with a previous infected user and to the person	Health	Cross contamination through touching or smearing where an infected person displays, fall or touching contaminated surface, not vaccinated	Employees, Visitors, Contractors	Employees, Visitors, Contractors	COVID-19 Manager, Compliance Officer, Security Personnel	Daily	Fatality or Hospitalization	Use Disposable gloves, Wipe the tester after every individual has tested, Used gloves to be classified as health care risk waste and dispose accordingly	5	C	I	Mostly effective	Managers and supervisors to be conversant with the Station Management of Substance Abuse in the Workplace Procedures to ensure the well-being and safety of all persons at or near.	Inspections, Weekly COVID-19 Compliance checklist report	O&M Managers COVID-19 Compliance Officer	Disaster Management Act No. 57 of 2003 & OHS Act 85 of 1995	None	None
Operational or Station Activities	R	55	Psychosocial factors	56	Suicide, Stress, Depression, Bullying, Harassment	Health	Divorce, Work Pressure, Personal Problems, Financial Issues, Loss of loved one	Employees, contractors, Visitors, Suppliers	O&M Manager	Daily for 8 hours	Fatality, Injuries, Poor work performance	Escom Assistant Program	4	B	II	Mostly effective	Training and awareness, employee engagement	Incident Analysis	O&M Manager	ISO 45001	44805	Ongoing	N/A