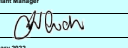


PEAKING										Occupational Health and Safety Baseline risk assessment template																			
Business/Operating unit:										Department:																			
Date: 17-Feb-22										Prepared by: N Ndlovu										Authorised by: Name: S. Gosh									
																				Designation: Plant Manager									
																				Signed: 									
																				Date: 17 February 2022									
										Refer to Occupational Health and Safety Risk assessment procedure 32-528																			
List activity	Activity type (Photo/Video/notes)	Hazard or	Hazard Identification	Risk No	Associated risk	Risk type	Conseq of the risk	Exposed group/employees	Risk Owner	Exposure pattern	What are the possible consequences?	Existing Controls	Consequence	Likelihood	Risk Priority Index	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							
Use specific activities to be performed using the considered the equipment to be used, the personnel involved in the task.	Indicate R or H 1. Routine activities and operations require hand tools through the use of operations and control work activities 2. Non routine activities and operations are considered as operational or emergency.	#	Anything with potential to cause harm. New hazard can pose new risk due to 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 e.g. others, members of the public, etc.	Who is accountable for making sure the controls and measures are appropriate, 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: Elimination Controls (controls implemented to eliminate hazards or reduce the severity of the risk occurring), and Reduction Controls (controls implemented to reduce the immediate impact of the risk occurring) Engineering controls Administrative controls Personal protective equipment (PPE)				Include: Elimination Controls (controls implemented to eliminate hazards or reduce the severity of the risk occurring), and Reduction Controls (controls implemented to reduce the immediate impact of the risk occurring) Engineering controls Administrative controls Personal protective equipment (PPE)	How we know if we are controlling: Include comments on effectiveness. This may include e.g. measurements, inspections, supervision where necessary.	Person allocated the responsibility for implementing the agreed controls	Where relevant, list the relevant legislation and/or EHS requirements that prescribe the control.	Once a risk 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.							
Use of hand tools & power tools	Yes	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	LT1	LT1	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)	31-Mar-21	In-progress	None						
	Yes	2	Welding	2	Burns, flash-hazards (eye), electrical shock, respiratory disease, fire, welding fume fever	Safety	Not wearing PPE, incorrect methods, lack of continuous risk assessment, Defective welding machine, Damaged power leads and incorrect earthing/inadequate inspections, lack of monitoring	Supervisor	Once a month	LT1	LT1	Power tools training, Tools box talks, routine inspections, not work monitor, fire fighting equipment, welding visor, welding apron, all monitoring every two years	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)	31-Mar-21	In-progress	None						
	Yes	3	Grinding	3	Cuts, Noise, Burns, shocks, grinder blades, vibrations, manual handling, tripping on cables, Engulfment/pedestal grinding, 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.	Supervisor	Once a month	LT1	LT1	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)	31-Mar-21	In-progress	None						
	Yes	4	Compressed air	4	Eye and body injuries (blood splats)	Safety	Filing coming adrift, Using compressed air to clean PPE	Supervisor	3 monthly	LT1	LT1	Depressure system, Training, Tool box talks, behavioural observations, Safety goggles	4	B	III	Mostly effective	Planned job observation to be conducted on the use of compressed	Behavioural safety observations, inspections, incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	31-Mar-21	In-progress	None						
	Yes	5	Tools falling from heights	5	Possible property damage, injury	Safety	Tools not secured, improper handling of tools	Supervisor	18 monthly	Fatality	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	None						
Working at heights	Yes	6	Falling from height	6	Whereas could fall from elevated position and or fall from the same level	Safety	No proper guard rail around working platforms, not using safety harness or not hooking up, not meticulously fit, not trained on ladder safety working at heights training, Not adhering to or no fall protection plan	Supervisor	Daily	Fatality	Fatality	Safety guard rails, Medical surveillance, working at height and rescue training, induction training, toolbox talks, Risk assessments, Work Permit/Ladder training, inspections, safety clearance for working at heights, Life saving rails, safety harness	5	C	II	Mostly effective	1 year and approved fall protection development plan, Develop a Fall protection plan,	Behavioural and planned task observations, incident records, inspections, Training records, analysis and matrix	Supervisor/Manager	Working at heights procedures (2/416), CHS 8 & 9, CHS Section 8 and 14 of CHS Act, Life saving Rules 340-62/19227, Revision 6	31-03-2021	In-progress	None						
	Yes	7	Wet and slippery surface	7	Slip & Fall	Safety	Wet floor, spillage of oil or plant checks)	Supervisor	Monthly	LT1	LT1	Sloppy floor signs, Spill spill 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	None						
Cleaning	Yes	8	Cleaning chemical agents	8	Absorption through skin, absorption through inhalation, ingestion	Health	Not wearing PPE, not referring to MSDS's	Supervisor	Monthly	Medical	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	None						
	Yes	9	Exposure to hazardous biological substance at the sewage plant and in general	9	Contracting hepatitis	Health	Contact with hazardous biological substance	Supervisor	Monthly	Medical	Medical	Toolbox talks, Train exposed employees on HBA, Hepatitis A/B vaccination, dust mask, gloves, disposable overall, 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)	None	None	None						
Performing Operating Activities	Yes	10	Live apparatus/circuits	10	Electrocution, flash burn	Safety	Incorrect switching, wiring and isolating	Supervisor	Weekly	Fatality	Fatality	Permit to work system isolation, test before touch, risk assessment, tool box talk, task observations, Life saving rails, ACH flash PPE	5	B	III	Fully effective	None	Authorisations, Behavioural and planned task observation, incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	None						
	Yes	11	Heavy equipment (handing breakers)	11	Work related upper limb disorder, back injuries	Health	Incorrect posture, lifting and interaction with heavy equipment	Supervisor	3 monthly	LT1	LT1	Training, toolbox talks, taking breaks, two man rule, PPE	4	B	III	Fully effective	None	Authorisations, Behavioural and planned task observation, incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	None						
	Yes	12	Shift work	12	Stress, psychological issues, fatigue	Health	Lack of resting periods	Supervisor	Daily	LT1	LT1	Rotating shifts, engagement with management, adhering to rest periods	4	B	III	Fully effective	None	Authorisations, Behavioural and planned task observation, incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	None						
	No	13	Loading and offloading equipment	13	Equipment falling on employees or other equipment, Mechanical failure	Safety	Capacity not checked, Unserved cones, inadequate inspection of lifting equipment, incorrect rigging, Not following SWP, staff not trained properly, unauthorised personnel, defective warning sign	Supervisor	Weekly	Fatality	Fatality	Warning Sign, Training and legal appointments, inspection, Site conditions, capacity checked, SWL, pre job brief, Planned task Observations, PPE (gloves, hard hats, safety boots)	5	B	III	Fully effective	None	Incident records, inspections, Behavioural and planned task observation, internal audits	Supervisor/Manager	MOR 16	None	None	None						
	No	14	Noise	14	NHL, tinnitus	Health	Not using hearing protection, lack of training, operation of the machine, Noise level survey not conducted	Supervisor	Weekly	Medical	Medical	Awareness training, PPE, toolbox talk, pre job brief, NHL awareness, Noise survey, ear protection	3	C	III	Mostly effective	Arrange to have noise survey conducted on all mobile equipment	Surveys, incident records	Supervisor/Manager	MOR 16/NHL regulations	None	None	None						
Working with mobile equipment (Forklifts, Overhead mobile crane, Diesel generator)	No	15	Unauthorised personnel operating mobile equipment	15	Property/lifting equipment damage, Serious injuries	Safety	No training, Unauthorised personnel, No supervision, Not following Safe work procedures	Supervisor	Weekly	Fatality	Fatality	Training/authorisation, Supervision, Observations, toolbox talks	5	B	III	Fully effective	None	Incident records, inspections, Behavioural and planned task observation	Supervisor/Manager	MOR 16	None	None	None						
	No	16	Diesel Fumes	16	Respiratory diseases	Health	Lack of risk assessment, lack of service, using machine that is not serviced	Supervisor	Weekly	Medical	Medical	Supervision and regular checks, proper training and authorisation, medical surveillance, pre job brief, dust mask	3	C	III	Fully effective	None	Incident records, inspections, Behavioural and planned task observation	Supervisor/Manager	MOR 16	None	None	None						
	No	17	Poor visibility	17	Choking, property damage	Safety	Placed head obscuring the visibility, not using Backman	Supervisor	Weekly	Fatality	Fatality	Use of Backman, toolbox talk, training and appointments, shen, reverse alarm, rotating light, pre-job inspections	5	A	III	Fully effective	None	Incident records, inspections, Behavioural and planned task observation	Supervisor/Manager	MOR 16	None	None	None						
	No	18	Moving under suspended loads	18	Head injuries	Safety	Lack of risk assessment, unauthorised personnel	Supervisor	Weekly	Fatality	Fatality	Supervision by responsible person, Hard hat, safety goggles for use of hard hat	5	B	III	Fully effective	None	Incident records, inspections, Behavioural and planned task observation	Supervisor/Manager	MOR 16, CHS Act 8.20	None	None	None						
	No	19	Defective lifting equipment and loads	19	Struck by, caught in between, lifting loads could snap and break	Safety	Inadequate inspection of lifting equipment, incorrect rigging	Supervisor	Weekly	Fatality	Fatality	Routine inspections, training, supervision	5	B	III	Fully effective	None	Incident records, inspections, Behavioural and planned task observation	Supervisor/Manager	MOR 16, CHS Act 8.20	None	None	None						
Working in confined spaces	Yes	20	Oxygen deficiency	20	Unconsciousness, asphyxiation	Health	Incorrectly, lack of emergency drills, lack of risk assessment, lack of atmospheric testing, absence of ABA breathing apparatus	Supervisor	18 monthly	Fatality	Fatality	Permit to work, Risk Assessment, Training, Oxygen monitoring equipment, safe means of access and egress, Emergency drill exercises, safety harness	5	A	III	Mostly effective	Complete emergency drill plan, conduct the drill exercise	Incident records, Behavioural and planned task observation	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), OHS 5, 20-22	31-03-2020	In-progress	None						
	Yes	21	Heat	21	Heat stress, heat stroke, dehydration, unconsciousness	Health	Lack/improper ventilation, not allowing cool off time	Supervisor	18 monthly	Medical	Medical	Medical surveillance, openings to allow ventilation, training, mechanical ventilation, permit to work system	3	A	III	Fully effective	None	Incident records, Behavioural and planned task observation	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), OHS 5, 20-22	None	None	None						
	Yes	22	Water	22	Drowning	Health	Lack of training, lack of emergency drills, lack of risk assessment	Supervisor	18 monthly	Medical	Medical	Emergency plan procedure, risk assessment, adequate PPE (life strap, hard hat, breathing apparatus, safety boots) permit to work system, Medical surveillance	3	A	III	Fully effective	Complete emergency drill plan, conduct the drill exercise	Incident records, Behavioural and planned task observation	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), OHS 5, 20-22	None	None	None						
	Yes	23	Restricted space	23	stuck against or body strain	Health	Not physically or medically fit, lack of training, lack of emergency drills, lack of risk assessment, Poor ergonomics	Supervisor	18 monthly	Medical	Medical	Medical surveillance, permit to work system, Emergency preparedness procedure, Life saving hard hat, breathing apparatus, safety boots, mock drills	3	A	III	Fully effective	Complete emergency drill plan, conduct the drill exercise	Incident records, Behavioural and planned task observation	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), OHS 5, 20-22	None	None	None						
	Yes	24	Toxic/explosive/flammable atmosphere	24	Pts, Unconsciousness	Safety/Health	Incorrectly, lack of emergency drills, lack of risk assessment, lack of atmospheric testing, inadequate PPE	Supervisor	18 monthly	LT1	LT1	Gas testing, training, permit to work system, fire extinguishers, Emergency preparedness procedure, breathing apparatus	4	A	III	Fully effective	None	Incident records, Behavioural and planned task observation	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	None						
Working in the field	Yes	25	Snakes	25	Snake bites	Health	Lack of awareness, Lack of attention, Inadequate PPE, Unaware of danger in the vicinity	Supervisor	Monthly	Fatality	Fatality	Snake Awareness training, toolbox talk, be aware of your surroundings, overall and safety gloves, safety goggles and safety boots/ closed shoes	6	B	III	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), Sec 8, 14, OHS 2	None	None	None						
	Yes	26	Wet or slippery or uneven surfaces	26	Slip, trip and fall	Safety	Lack of focus, unaware of the risk	Supervisor	Monthly	Medical	Medical	Be aware of where you are stepping, clean up spills immediately, toolbox talks, Safety boots, overall	3	B	III	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), CHS Act Sec 8 & 14	None	None	None						
	Yes	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	Supervisor	Monthly	Medical	Medical	Talk 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), CHS Act Sec 14	None	None	None						
	Yes	28	Insects	28	Allergic reaction, Experience hunting, pain, itching, irritation and swelling, rash, nausea, vomiting, possible fatality	Health	Lack of awareness, Lack of attention No allergy identification and OHP, Unaware of danger in the vicinity	Supervisor	Monthly	Medical	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	None						
	Yes	29	Inadequate/ Excessive lighting levels	29	Straining and or irritation of the eyes, eye damage, headaches	Health	Working in areas with poor/ excessive lighting	Supervisor	Daily, 8hrs	Medical	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	None						
Office work (use of computer, office layout, printer)	Yes	30	Wet or slippery or uneven surfaces	30	Slip, trip & Fall	Safety	Poor housekeeping, lack of focus, no sign indicating wet floor, lack of awareness	Supervisor	Daily, 8hrs	Medical	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	None						
	Yes	31	Removing paper jams	31	Cuts, engulfment, shearing, crushing injuries	Safety	Lack of concentration to the task at hand	Supervisor	Daily, 8hrs	First Aid	First Aid	Guard over blades, 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)	None	None	None						
	Yes	32	Sitting in awkward positions, Poor ergonomics at workstation	32	Work related upper limb disorders, repetitive strain syndrome, carpal tunnel syndrome	Health	No Regular breaks, Incorrect posture	Supervisor	Daily, 8hrs	Medical	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	None						
	No	33	Over speeding	33	Vehicle accident	Safety	Not adhering to the speed limit, pressed for time	Supervisor	Daily	Fatalities	Fatalities	Mix telematics and coaching	6	C	III	Mostly effective	Consider conducting other 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, NRT Act	31-Mar-22	Pending	None						
	No	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 low visibility, Tail gate Truck on the road, Civil unrest, Negligent driving, Not adhering to the driving rules, failure to check blind spots before reversing, reversing in congested areas	Supervisor	Daily	Fatalities	Fatalities	Mix telematics and coaching, Pre and post trip inspections, Not familiar with the road, making use of cellphone, distractions, congested roads, pedestrians and low visibility, Tail gate Truck on the road, Civil unrest, Negligent driving, Not adhering to the driving rules, failure to check blind spots before reversing, reversing in congested areas	6	C	III	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	None						
Use of Chainsaw, Weed eater	No	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	Supervisor	3 monthly	LT1	LT1	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)	None	None	None						
	No	36	Manual handling	36	Fatigue, Back, shoulder, neck, foot injuries, sprains	Health	Not taking breaks, incorrect lifting technique, failure to wear proper PPE, bare	Supervisor	3 monthly	LT1	LT1	Training, toolbox talks, taking breaks, eye protection, dust mask, hard hat, overall, safety apron	4	B	III	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	None						
	No	37	Vibration	37	Musculoskeletal	Health	Operation of the machine, maintenance/repairing of the machine, lack of supervision, lack of training	Supervisor	3 monthly	Medical	Medical	Rotation of operator, training, medical surveillance	3	B	III	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	None						
	No	38	Noise	38	NHL, tinnitus	Health	No training, failure to wear PPE (ear protection)	Supervisor	3 monthly	Medical	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	None						
	No	39	Flying Debris	39	Cuts, bruises, particles could get into the eye	Safety	Incorrect operation of the machine, not using PPE (eye protection, safety goggles), lack of machine guarding	Supervisor	3 monthly	First Aid	First Aid	Machine guarding, toolbox talks, PPE (eye protection, safety goggles)	2	C	III	Fully effective	None	Incident records	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	None	None	None						
Erecting and dismantling scaffold	No	40	Awarded Position,																										

R	Safety	1	A	Fully effective	I
N	Health	2	B	Mostly effective	II
		3	C	Mostly ineffective	III
		4	D	None	IV
		5	E		
		6			

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