

Project/Dept:		EAL Simulator building Video Management System installation				
Date:		Jul-22		Prepared by:		
1: List activity		2: Hazard identification				
List activity	Hazard nr	Hazard Identification	Risk Nr	Exposed group/employees	Risk Owner	Exposure patterns
List specific activities to be performed taking into consideration the equipment to be used, the personnel involved in the task.	#	A hazard is anything that is likely to lead to an event that will have an adverse impact on achieving an objective. A hazard can pose more than one risk.	#	Who is exposed to the hazard i.e. Employees, 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.
	1	Driving on public roads	1	Exposed group/employees	Company Owner	Daily

Driving of vehicles	2	Overspeeding of vehicles		Exposed group/employees	Company Owner	Daily
	3	Driving without safety belt buckled up		Exposed group/employees	Company Owner	Daily
	4	Reverse Parking of vehicles at basement parking lot.		Exposed group/employees	Company Owner	Daily
	5	Personnel movement and vehicle within the premises		Exposed group/employees	Company Owner	Daily
	6	Driving	2	Exposed group/employees	Company Owner	Daily
Working in the field	7	Bees	18	Exposed group/employees	Company Owner	Daily
	8	Snakes	19	Exposed group/employees	Company Owner	Daily
	9	Wet or slippery or uneven surfaces	20	Exposed group/employees	Company Owner	Daily

Storage of Material	1	Light material - Stay Rods, Earth Spikes, Insulators Bolts & Nuts, Vibration Dampers, Meterboxes, Distribution boxes, Fuse carriers, Fuse holders, T-Joints, Lugs, Ferrules, Thimbles, Dead-end	188	Exposed group/employees	Company Owner	Daily
	2	Compressor, Jackhammer, Pruner, Chain Saw, Portable Electrical Equipment, Spade & Picks, Compactors, Vehicles, Office Equipment, etc.	189	Exposed group/employees	Company Owner	Daily
Storage of tools	1	Oil, Petrol, Diesel, Thinners, Paint etc.	190	Exposed group/employees	Company Owner	Daily
Storage of flammables	2	Litter, general construction and maintenance waste	191	Exposed group/employees	Company Owner	Daily
Storage of Waste	3	Hazardous waste	192	Exposed group/employees	Company Owner	Daily
	4	Oil contaminated soil and materials	193	Exposed group/employees	Company Owner	Daily
	5	Disposal of printer ink and cartridges	194	Exposed group/employees	Company Owner	Daily
	6	Herbicides and contaminated containers	195	Exposed group/employees	Company Owner	Daily
	7	Mercury containing lamps and tubes	196	Exposed group/employees	Company Owner	Daily
	8	Asbestos waste	197	Exposed group/employees	Company Owner	Daily

	9	Poisonous Substances	199	Exposed group/employees	Company Owner	Daily
Herbicide Application	22	Environmental Hazard	200	Exposed group/employees	Company Owner	Daily
EXCAVATION by machinery - digging of holes, trenches	23	Diesel fumes and dust	2	Exposed group/employees	Company Owner	Daily
	24	Moving machinery eg. Swinging boom	3	Exposed group/employees	Company Owner	Daily
	25	Noise	4	Exposed group/employees	Company Owner	Daily
	26	Excavation	5	Exposed group/employees	Company Owner	Daily
	27	Loading / off- loading of the machine,	6	Exposed group/employees	Company Owner	Daily
	28	Underground services	7	Exposed group/employees	Company Owner	Daily
	29	Repetitive work	8	Exposed group/employees	Company Owner	Daily

EXCAVATION by Hands - digging of holes, trenches	30	Improper use of hand tools	9	Exposed group/employees	Company Owner	Daily
	31	Trenches collapsing		Exposed group/employees	Company Owner	Daily
	32	Open trenches	10	Exposed group/employees	Company Owner	Daily
	33	Underground services	11	Exposed group/employees	Company Owner	Daily
JACKHAMMER - digging of holes, braking up of rocks or stones, pavements	34	Vibration	13	Exposed group/employees	Company Owner	Daily
	35	Flying debris	14	Exposed group/employees	Company Owner	Daily
	36	Diesel fumes and dust	15	Exposed group/employees	Company Owner	Daily
			16	Exposed group/employees	Company Owner	Daily
	37	Awkward posture	17	Exposed group/employees	Company Owner	Daily
	38	Underground services	18	Exposed group/employees	Company Owner	Daily

	17	Noise	19	Exposed group/employees	Company Owner	Daily
COMPRESSOR (diesel) - supply jackhammer with air	18	Hot compressor exhaust	20	Exposed group/employees	Company Owner	Daily
	19	Heavy lifting	21	Exposed group/employees	Company Owner	Daily
	20	Diesel fumes	22	Exposed group/employees	Company Owner	Daily
			23	Exposed group/employees	Company Owner	Daily
	21	Explosion / or rupture of the compressor - Pipe bursting	24	Exposed group/employees	Company Owner	Daily
	22	Noise	25	Exposed group/employees	Company Owner	Daily
Generators (petrol)- Providing portable power for drilling and lighting at night / day time	23	Heavy lifting	26	Exposed group/employees	Company Owner	Daily
	24	Petrol fumes	27	Exposed group/employees	Company Owner	Daily
				Exposed group/employees	Company Owner	Daily
	25	Noise	28	Exposed group/employees	Company Owner	Daily
	26	Vibration	29	Exposed group/employees	Company Owner	Daily
	27	Diesel/Petrol Fumes, Dust	30	Exposed group/employees	Company Owner	Daily
			31	Exposed group/employees	Company Owner	Daily
	28	Awkward posture	32	Exposed group/employees	Company Owner	Daily

Compactors (diesel /petrol) For compacting sand after laying cables/ planting poles	29	Flying debris	33	Exposed group/employees	Company Owner	Daily
	30	Heavy lifting	34	Exposed group/employees	Company Owner	Daily
	31	Lifting heavy equipment	35	Exposed group/employees	Company Owner	Daily
Vehicle Mounted cranes (diesel) loading and off loading, equipment and planting of poles	32	Loading / off- loading of the equipment	36	Exposed group/employees	Company Owner	Daily
	33	Working from man cage (Bucket) / Working at a fall risk position	37	Exposed group/employees	Company Owner	Daily
	34	Working from man cage (Bucket) / Falling objects	38	Exposed group/employees	Company Owner	Daily
	33	Working close to live electrical apparatus	39	Exposed group/employees	Company Owner	Daily
	34	Unauthorised personnel operating lifting equipment	40	Exposed group/employees	Company Owner	Daily
	35	Diesel fumes	41	Exposed group/employees	Company Owner	Daily
			42	Exposed group/employees	Company Owner	Daily

	36	Loading and off loading, equipment	41	Exposed group/employees	Company Owner	Daily
	37	Unauthorised personnel operating lifting equipment	38	Exposed group/employees	Company Owner	Daily
Aerial platforms (Cherry Picker) - Lifting people / working on Power lines and 11KV network	37	Working at heights	42	Exposed group/employees	Company Owner	Daily
	38	Falling objects	43	Exposed group/employees	Company Owner	Daily
	39	Close proximity with live apparatus	44	Exposed group/employees	Company Owner	Daily
	40	Noise	45	Exposed group/employees	Company Owner	Daily
	41	Vibration	46	Exposed group/employees	Company Owner	Daily
	42	Flying debris, Saw dust	47	Exposed group/employees	Company Owner	Daily

Chain Saw / pruners (petrol) Bush clearing and cutting away branches.	43	Petrol fumes	48	Exposed group/employees	Company Owner	Daily
	44		49	Exposed group/employees	Company Owner	Daily
	45	Awkward posture	50	Exposed group/employees	Company Owner	Daily
	46	Heavy lifting	51	Exposed group/employees	Company Owner	Daily
	47	Noise	52	Exposed group/employees	Company Owner	Daily
Brush cutters (petrol) -for pruning and bush cutting	48	Vibration	53	Exposed group/employees	Company Owner	Daily
	49	Awkward posture	54	Exposed group/employees	Company Owner	Daily
	50	Heavy lifting	55	Exposed group/employees	Company Owner	Daily
	51	Flying debris, Saw dust	56	Exposed group/employees	Company Owner	Daily
	52	Petrol fumes	57	Exposed group/employees	Company Owner	Daily
	53		58	Exposed group/employees	Company Owner	Daily

	54	Noise	59	Exposed group/employees	Company Owner	Daily
Electrical/ Hydraulic and battery Drilling machine - drilling holes on wooden poles, steel and concrete walls	55	Vibration	60	Exposed group/employees	Company Owner	Daily
	56	awkward posture,	61	Exposed group/employees	Company Owner	Daily
	57	Flying debris, Dust	62	Exposed group/employees	Company Owner	Daily
	58	Heavy lifting	63	Exposed group/employees	Company Owner	Daily
	59	Using defective electrical drilling machines	64	Exposed group/employees	Company Owner	Daily
	60	Driving on uneven terrain	65	Exposed group/employees	Company Owner	Daily
Driving of heavy vehicles (code 14/10/08) for transporting of construction, normal day to day material. Pulling of trailer for the excavator /4X 4 LDV - utility vehicle, transporting of people/ material and responding to faults.	61	Long hours driving	66	Exposed group/employees	Company Owner	Daily
	62	Diesel, Petrol and Oil spills	67	Exposed group/employees	Company Owner	Daily
				Exposed group/employees	Company Owner	Daily
	63	Using Public Roads	68	Exposed group/employees	Company Owner	Daily
	64	Defective / broken hand tools	69	Exposed group/employees	Company Owner	Daily
	65	Live electricity	70	Exposed group/employees	Company Owner	Daily

Using of hand tools - day to day task e.g connect and disconnect customers etc.	66	Working at heights	71	Exposed group/employees	Company Owner	Daily
	67	Tools falling from heights	72	Exposed group/employees	Company Owner	Daily
	68	Noise	73	Exposed group/employees	Company Owner	Daily
Using of Angle grinders - Cutting of steel, stone and bricks	69	Vibration	74	Exposed group/employees	Company Owner	Daily
	70	Flying debris, Grinding Dust	75	Exposed group/employees	Company Owner	Daily
	71	Awkward posture	76	Exposed group/employees	Company Owner	Daily
	72	Heavy equipment	77	Exposed group/employees	Company Owner	Daily
Using of Big Bolt cutters- cutting of conductors/ steel bars,	73	Falling Objects	78	Exposed group/employees	Company Owner	Daily
	74	Cutting lose ends of conductor	79	Exposed group/employees	Company Owner	Daily
	75	Falling of tools from elevated positions	80	Exposed group/employees	Company Owner	Daily
	76	Heavy equipment.	81	Exposed group/employees	Company Owner	Daily
	77	Equipment under tension/strain	82	Exposed group/employees	Company Owner	Daily

Use of Lifting gear / Kitos/ Turfor	78	Defective lifting gears.	83	Exposed group/employees	Company Owner	Daily
	79	Breaking of conductors ,slings and poles under tension.	84	Exposed group/employees	Company Owner	Daily
	82	Ultra violet ARC	87	Exposed group/employees	Company Owner	Daily
Welding using welding machines	83	Welding creating heat	88	Exposed group/employees	Company Owner	Daily
	84	Defective welding machines	89	Exposed group/employees	Company Owner	Daily
	85	Welding fumes	90	Exposed group/employees	Company Owner	Daily
	86	Damaged power leads and incorrect earthing	91	Exposed group/employees	Company Owner	Daily
	93	Arc flash	98	Exposed group/employees	Company Owner	Daily
High voltage operating (11Kv - 132 Kv) 1. linking / safety testing and earthing in substations and on	94		99	Exposed group/employees	Company Owner	Daily
	95	Walking on uneven terrain	100	Exposed group/employees	Company Owner	Daily
	96	Awkward positions	101	Exposed group/employees	Company Owner	Daily
	97	Falling equipment	102	Exposed group/employees	Company Owner	Daily
	98	Working at heights	103	Exposed group/employees	Company Owner	Daily

lines. 2. Opening and closing of the breakers. 3. Opening and closing of line links. 4. Inspection of the HV yard. 5. Maintenance and fault repairs of electrical equipment 6. Loading and off loading equipment or material (ladders, tool boxes, generators etc) 7. Climbing of ladders and structures	99	Loading / off- loading of the equipment	104	Exposed group/employees	Company Owner	Daily
	100	Climbing of ladders and structures	105	Exposed group/employees	Company Owner	Daily
	101	Electrical contact	106	Exposed group/employees	Company Owner	Daily
	102	Electrical equipment failure	107	Exposed group/employees	Company Owner	Daily
	103	Working in hot weather conditions	108	Exposed group/employees	Company Owner	Daily
	104	Working in cold weather conditions	109	Exposed group/employees	Company Owner	Daily
	105	Heavy equipment.	110	Exposed group/employees	Company Owner	Daily
	106	Unauthorised personnel operating high voltage equipment	111	Exposed group/employees	Company Owner	Daily
	107	Oil spill	112	Exposed group/employees	Company Owner	Daily
Low voltage Operating / Under	108	Unauthorised / untrained personnel operating high voltage equipment	113	Exposed group/employees	Company Owner	Daily
	109	Loading / off- loading of the equipment	114	Exposed group/employees	Company Owner	Daily
	110	Noise from transformer	115	Exposed group/employees	Company Owner	Daily
	111	Arc flash	116	Exposed group/employees	Company Owner	Daily
	112		117	Exposed group/employees	Company Owner	Daily

Low voltage operating (under 1000volts) 1, safety testing and earthing in substations and on lines. 2, Opening and closing of Circuit breakers. 3, Inspection of the LV equipment. 4, Maintenance and fault repairs of electrical equipment 5, Loading and off loading equipment or material (ladders, tool boxes, generators etc) 6, Climbing of ladders and structures ,	113	Awkward positions	118	Exposed group/employees	Company Owner	Daily
	114	Working at heights	119	Exposed group/employees	Company Owner	Daily
	115	Working in hot weather conditions	120	Exposed group/employees	Company Owner	Daily
	116	Working in cold weather conditions	121	Exposed group/employees	Company Owner	Daily
	117	Faulty electrical equipment	122	Exposed group/employees	Company Owner	Daily
	118	Falling equipment	123	Exposed group/employees	Company Owner	Daily
	119	Heavy lifting	124	Exposed group/employees	Company Owner	Daily
	120	Electrical equipment failure	125	Exposed group/employees	Company Owner	Daily
	121	Hydraulic oil and diesel spills	126	Exposed group/employees	Company Owner	Daily
			127	Exposed group/employees	Company Owner	Daily
	122	Unauthorised / untrained personnel operating high voltage equipment	128	Exposed group/employees	Company Owner	Daily

Live work Medium Voltage (11Kv - 33Kv) 1, Inspection of the live electrical equipment . 2, Maintenance and fault repairs of live electrical equipment 3, Loading and off loading equipment or material	123	Noise from the truck	129	Exposed group/employees	Company Owner	Daily
	124	Extreme hot conditions.	130	Exposed group/employees	Company Owner	Daily
	125	Live electricity	131	Exposed group/employees	Company Owner	Daily
	126	Diesel fumes and dust	132	Exposed group/employees	Company Owner	Daily
	127		133	Exposed group/employees	Company Owner	Daily
	128	Loading / off- loading of the equipment	134	Exposed group/employees	Company Owner	Daily
	129	Electrical equipment failure	135	Exposed group/employees	Company Owner	Daily
	130	Electrical contact	136	Exposed group/employees	Company Owner	Daily
	131	Walking on uneven terrain	137	Exposed group/employees	Company Owner	Daily
	132	Working at heights	138	Exposed group/employees	Company Owner	Daily
	133	Faulty electrical equipment	139	Exposed group/employees	Company Owner	Daily
	134	Awkward positions	140	Exposed group/employees	Company Owner	Daily

(ladders, tool boxes, generators etc) 4, Climbing of ladders and structures , 5, Working from the live line aerial device.	135	Falling equipment.	141	Exposed group/employees	Company Owner	Daily
	136	Arc flash	142	Exposed group/employees	Company Owner	Daily
	137	Unauthorised personnel operating live work on high voltage equipment	143	Exposed group/employees	Company Owner	Daily

				Exposed group/employees	Company Owner	Daily
	138	Unauthorised / untrained personnel operating high voltage equipment	144	Exposed group/employees	Company Owner	Daily
				Exposed group/employees	Company Owner	Daily
				Exposed group/employees	Company Owner	Daily
	139	Noise from the truck	145	Exposed group/employees	Company Owner	Daily
	140	Extreme hot conditions	146	Exposed group/employees	Company Owner	Daily
	141	Heavy lifting,	147	Exposed group/employees	Company Owner	Daily
	142	Electrical contact	148	Exposed group/employees	Company Owner	Daily
	143	Electrical equipment failure	149	Exposed group/employees	Company Owner	Daily
	144	Walking on uneven terrain	150	Exposed group/employees	Company Owner	Daily

	145	Awkward positions	151	Exposed group/employees	Company Owner	Daily
	146	Falling equipment	152	Exposed group/employees	Company Owner	Daily

Live work Low Voltage (Under 1000 Volts) 1, Replace faulty pre paid meters - live. 2, Connecting new customer to existing live lines. 3, Making and breaking live connections.	147	Faulty electrical equipment	153	Exposed group/employees	Company Owner	Daily
	148	Working at heights	154	Exposed group/employees	Company Owner	Daily
	149		155	Exposed group/employees	Company Owner	Daily

	150	Diesel fumes and dust	156	Exposed group/employees	Company Owner	Daily
	151	Unauthorised personnel operating live work on high voltage equipment	157	Exposed group/employees	Company Owner	Daily

	153	Awkward position	158	Exposed group/employees	Company Owner	Daily
Planting of poles by hand	154	Underground electrical cables and other underground services	159	Exposed group/employees	Company Owner	Daily
	155	Lifting heavy poles	160	Exposed group/employees	Company Owner	Daily
	156	Dust	161	Exposed group/employees	Company Owner	Daily
Planting of poles using cranes	157	Noise	162	Exposed group/employees	Company Owner	Daily
	158	Diesel fumes and dust	163	Exposed group/employees	Company Owner	Daily
				Exposed group/employees	Company Owner	Daily
				Exposed group/employees	Company Owner	Daily
	159	Awkward position	164	Exposed group/employees	Company Owner	Daily
	160	Defective / broken hand tools	165	Exposed group/employees	Company Owner	Daily

Falling of heavy pole	161	Awkward position	166	Exposed group/employees	Company Owner	Daily
	162	Dust	167	Exposed group/employees	Company Owner	Daily
	163	Heavy lifting	168	Exposed group/employees	Company Owner	Daily
Handling; Climbing and working on ladders	164	Awkward position	169	Exposed group/employees	Company Owner	Daily
	165	Working at height	170	Exposed group/employees	Company Owner	Daily
	166	Fall from height	171	Exposed group/employees	Company Owner	Daily
	167	Awkward position	172	Exposed group/employees	Company Owner	Daily
				Exposed group/employees	Company Owner	Daily
Erecting and working on scaffolds		Working at height	173	Exposed group/employees	Company Owner	Daily

scatroids		Heavy lifting	174	Exposed group/employees	Company Owner	Daily
	168	Insects	175	Exposed group/employees	Company Owner	Daily
Working in the field	169		176	Exposed group/employees	Company Owner	Daily
	170	Bit by Snakes/dogs	177	Exposed group/employees	Company Owner	Daily
	171	Wet or slippery or uneven surfaces	178	Exposed group/employees	Company Owner	Daily
	193	Uncontrolled usage	201	Exposed group/employees	Company Owner	Daily

USING PORTABLE ELECTRICAL TOOLS	194	Damaged cords & equipment	202	Exposed group/employees	Company Owner	Daily
	195	Using non-calibrated tools	203	Exposed group/employees	Company Owner	Daily
	196	Rotating and moving Machinery	204	Exposed group/employees	Company Owner	Daily
	8	Physical material handling		Exposed group/employees	Company Owner	Daily
Stringing and Tensioning of conductors	9	Pinching of fingers between Trestle and conductor drum		Exposed group/employees	Company Owner	Daily
	10	Working at height		Exposed group/employees	Company Owner	Daily
	11	Fall from height		Exposed group/employees	Company Owner	Daily
	12	Walking on uneven terrain		Exposed group/employees	Company Owner	Daily

	13	Equipment under tension/strain		Exposed group/employees	Company Owner	Daily
	14	Repetative motion		Exposed group/employees	Company Owner	Daily
Workiing with climbing irons	15	Working at a fall risk position		Exposed group/employees	Company Owner	Daily

Occupational Health and Safety Baseline risk assessment form

		Scope of Risk Assessment:
T Tshiguvho	Authorised by:	Name: _____ Signed: _____ Date: _____

Refer to Occupational Health and Safety Risk assessment procedure 32-520

3: Risk identification				4: Assess & Analyse Risks
Associated risk	Risk type	Conditions(Normal/Abnormal)	Cause(s) of the risk	What are the Consequences?
A physical event occurs in relation to the hazard	Safety or health	Indicate Yes or No. These short-term changes to conditions that could not be reasonably anticipated e.g. Emergencies	What causes the risk to come into effect?	What is the expected adverse impact on the objective?
Involved in accident	Safety	Normal	Not adhering to the speed limit, not paying attention, not familiar with the road, making use of cellphone, distractions, exposed to unsafe behaviours, congested roads, Pedestrians and live stock, Taxi and Truck on the road, Civil unrest	Fatalities, Injuries, Property damage

Risk of personnel being injured by overspeeding vehicles. Drivers losing control of vehicles. Damaging injury to third parties	Safety	Normal	Not adhering to speed limit by drives	Fatalities,injuries to driver and pedestrians or property damage
Severe Injuries when involved in an Accident	Safety	Normal	Not adhering to life saving rules	Fatality or severe Injuries
Risk of vehicle collision, risk of vehicles colliding with parking lot support stands	Safety	Normal	Faillure of drivers to observe before parking	property damage
Personnel are at risk of being bumped by a vehicle or an Accident	Safety	Normal	Faillure of observation by drivers and pedesetrians and unavailability of pedestrian crossings	minor injuries and property damage
Vehicle incidents	Safety	Normal	Not paying attention, risk assement not done, not farmialr with the road,wet roads, making use of cellphone,driver fatigue distractions,	Injuries, Property damage
Bee stings	Health	Normal	Employees with Anaphylaxis for bee stings are especially at high risk	Allergic reaction ie. pain, redness. swelling, itching, sweating, anxiety, dizziness or fainting. Possible fatality.
Snake bites	Health	Normal	Working in the field, vegetation & weather condition	Shock, fever, fainting, rapid pulse and breathing difficulties and worse case fatality.
Slip, Trip & Fall on wet floors or uneven surfaces	Safety	Normal	Weather conditions,not paying attention & un even surface	Injury

Injury	Safety	NO	Handling of Material - No Supervision	Possible Fatality, Lost time injury and back injuries
Injury	Safety	NO	Incorrect Handling of Tools - No Supervision, Improper use of PPE, Man Handling of tools	Possible Fatality, Lost time injury and back injuries
Burning/ Asphyxiation	Health	NO	Fire fighting equipment available, Regular inspection of equipment, Training of Fire Fighting, MSDS (Material Safety Data Sheet)	Lost time injury, Medical injury and environmental impact
ground-, air-, water pollution - environmental risk	Health	no	Not following safe working procedures, staff not properly trained, bad housekeeping	Damage to people and the environment
ground-, air-, water pollution - environmental risk	Health	no	Not following safe working procedures, staff not properly trained, bad housekeeping	Damage to people and the environment
ground-, air-, water pollution - environmental risk	Health	no	Not following safe working procedures, staff not properly trained, bad housekeeping	Damage to people and the environment
ground-, air-, water pollution - environmental risk	Safety	no	Not following safe working procedures, staff not properly trained, bad housekeeping	Damage to people and the environment
ground-, air-, water pollution - environmental risk	Health	no	Not following safe working procedures, staff not properly trained, bad housekeeping	Damage to people and the environment
ground-, air-, water pollution - environmental risk	Health	no	Not following safe working procedures, staff not properly trained, bad housekeeping	Damage to people and the environment
ground-, air-, water pollution - environmental risk, lung related illness.	Health	no	Not following safe working procedures, staff not properly trained, bad housekeeping	Damage to people and the environment

Poisoning of the body, irritation to skin & eyes	Health	NO	Not wearing PPE (Gloves & Face Mask)	LTI or Medical
Damage to the environment	Safety	NO	Wrong Product & incorrect application	Damaging Fauna & Flora
Fire	Safety	NO	Making use of unserviced equipment	Damage to equipment and structures, injuries
Staff struck by moving machinery	Safety	NO	Operation of the machine, No Supervision, Inadequate risk assessment	Possible Fatality, Lost time injury and back injuries
Staff exposed to excessive noise	Health	NO	Operation of the machine	NIHL
Excavation collapse, Staff falling into excavations, Machine falling into excavation	Safety	NO	No proper supervision, No Shoring of excavation, Improper barrication	Possible fatalities - Back injuries
Equipment falling on staff, other equipment	Safety	NO	Inadequate Supervision, Not following safe work procedure, Staff not properly trained, Inadequate risk assessment.	Possible property damage - Injury to staff
Damage to services/ property - Electrocution	Safety	NO	Way leave not up to date	Possible fatalities - Injury to staff
Carpal tunnel syndrome	Health	NO	No Regular breaks	Hand injuries

Damaged hand tools	Safety	NO	No regular inspection of tools, Incorrect hand tools,	Hand injuries, Broken bones
Injuries	Safety	NO	No boxing and shoring of excavation	Lost Time Injuries / Fatalities
Excavation collapse, Staff falling into excavations,	Safety	NO	No proper supervision, NoShoring of excavation, Soil structure,	Possible fatalities - Back injuries
Damage to services/ property - Electrocution	Safety	NO	Way leave not up to date	Possible fatalities - Injury to staff
Hand body vibration	Health	NO	Operation of the machine	Injuries
Lower Respiratory diseases - Eye injury	Safety	NO	Operation of the machine, Not making use of PPE	Injuries
Air pollution - Lung irritation	Health	NO	Operation of the machine, Not making use of PPE	Injuries
Fire	Safety	NO	Making use of unserviced equipment	Damage to equipment and structures, Lost time injury
Back, shoulder neck, feet injuries/discomfort	Safety	NO	No Regular breaks	Injuries
Damage to services/ property - Electrocution	Safety	NO	No proper way leave, Using incorrect tools	Possible fatalities - Injury to staff

Staff exposed to excessive noise	Health	NO	Operation of the machine, Not making use of PPE	NIHL
Burns injuries,	Safety	NO	Not	Lost time injury
Fatigue, Back, shoulder, neck, foot injuries	Safety	NO	No Regular breaks, Not assisting one another	Lost time injury
Air pollution - Lung irritation	Health	NO	Making use of unserviced equipment	Lost time injury
Fire	Safety	NO	Faulty equipment, lack of proper maintenance	Damage to equipment and structures, injuries
Possible property damage - Fatalities, Amputation, Fractures	Safety	NO	Faulty equipment, lack of proper maintenance	Possible fatalities - Injury to staff
Staff exposed to excessive noise	health	NO	Operation of the machine	NIHL
Fatigue, Back, shoulder, neck, foot injuries	Safety	NO	No Regular breaks, Not assisting one another	Injuries
Air pollution - Lung irritation		NO	Making use of unserviced equipment	Injuries
Fire	Safety	NO	Making use of unserviced equipment	Damage to equipment and structures, Lost time injury
Staff exposed to excessive noise		NO	Operation of the machine	NIHL
Hand body vibration	Safety	NO	Operation of the machine	Injuries
Air pollution - Lung irritation		NO	Making use of unserviced equipment	Lost time injury
Fire	Safety	NO	Making use of unserviced equipment	Damage to equipment and structures, Lost time injury
Back, shoulder neck, feet injuries/discomfort		NO	Operation of the machine	Lost time injury

Lower Respiratory diseases - Eye injury	Safety	NO	Operation of the machine	Lost time injury
Fatigue, Back, shoulder, neck, foot injuries	Safety	NO	Not assisting one another	Lost time injury
Fatigue, Back, shoulder, neck, foot injuries	Safety	NO	Not assisting one another	Lost time injury
Equipment falling on staff, other equipment	Safety	NO	Not services cranes, Inadequate inspection of lifting equipment, Incorrect rigging	Possible property damage - Injury to staff
Falling from heights	Safety	NO	No proper guard rails around working platforms, Not using Safety harness,	Serious injuries, fatalities,
Objects falling on staff, other equipment	Safety	NO	People standing underneath the bucket, Hand tools not secured,	Possible property damage - Injury to staff
Burn wounds - Electrocution	Safety	NO	No training of operator, encroaching safety clearance	Serious injuries/fatalities
Property/lifting equipment damage, Serious injuries/fatalities to bystanders/employees	Safety	NO	No training, Unauthorised personel, No Supervision, Not following Safe work procedures	Serious injuries/fatalities, property damage
Air pollution - Lung irritation		NO	Operation of the machine	Lost time injury
Fire	Safety	NO	No training of operator, encroaching safety clearance	Damage to equipment and structures, Lost time injury

Equipment falling on staff, other equipment	Safety	NO	Not services cranes, Inadequate inspection of lifting equipment, Incorrect rigging,	Possible property damage - Injury to staff
Property/lifting equipment damage, Serious injuries/fatalities to bystanders/employees	Safety	NO	Lifting machine not lock-out	Serious injuries/fatalities, property damage
Falling from heights	Safety	NO	No proper guard rails around working platforms, Not using Safety harness,	Serious injuries, fatalities,
Objects falling on staff, other equipment	Safety	NO	People standing underneath the bucket, Hand tools not secured,	Possible property damage - Injury to staff
Staff exposed to live electrical equipment	Safety	NO	Encroaching within prescribed safety clearance,	Possible property damage, Serious injury, fatalities
Staff exposed to excessive noise	Health	NO	Operation of the machine, In adequate maintenance, not using PPE	NIHL
Hand body vibration	Health	NO	Operation of the machine	Lost time injury
Lower Respiratory diseases - Eye injury	Safety	NO	Operation of the machine, Not using correct PPE,	Lost time injury

Air pollution - Lung irritation	Health	NO	Making use of unserviced equipment, If the petrol mix is not correct	Respiratory discomfort or complications
Fire	Safety	NO	No proper maintenance, Petrol leaks	Damage to equipment and structures, Lost time injury
Back, shoulder neck, feet injuries/discomfort	Health	NO	No Regular breaks, Incorrect posture	Lost time injury
Fatigue, Back, shoulder, neck, foot injuries	Safety	NO	No regular breaks, No clearing your work area	Lost time injury
Staff exposed to excessive noise	Health	NO	Operation of the machine, maintenance of the machine, No supervision, No training,	NIHL
Hand body vibration	Health	NO	Operation of the machine	Lost time injury
Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury
Fatigue, Back, shoulder, neck, foot injuries	Safety	NO	No regular breaks, No clearing your work area	Lost time injury
Lower Respiratory diseases - Eye injury		NO	Operation of the machine, not using PPE	Lost time injury
Air pollution - Lung irritation	Health	NO	No proper maintenance, Petrol leaks	Lost time injury
Fire	Safety	NO	No proper maintenance, Petrol leaks	Damage to equipment and structures, Lost time injury

Staff exposed to excessive noise	Health	NO	Lack of proper maintenance	NIHL
Hand body vibration	Health	NO	Operation of the machine	Lost time injury
Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury
Lower Respiratory diseases - Eye injury	Safety	NO	Operation of the machine, not using PPE	Lost time injury
Fatigue, Back, shoulder, neck, foot injuries	Safety	NO	Not assisting one another	Lost time injury
Electrocution	Safety	NO	No supervision, Lack of maintenance, no propre training	Possible fatalities - Lost time injury
Whole body vibration, vehicle accident,	Health	NO	Driving of vehicles	Possible fatalities - Lost time injury - Damage to vehicle
Fatigue, vehicle accident	Safety	NO	No Regular breaks, Maintenance of vehicle, Driving alone	Possible fatalities - Lost time injury - Damage to vehicle
Ground, air and water pollution - lung irritation	Health	NO	Lack of proper maintenance	Environmental damage, lost time injury
Fire	Safety	NO	Lack of proper maintenance, Pipe burst, Vehivle accidents	Damage to equipment and structures, Lost time injury
Property damage, Injury to staff	Safety	NO	Not adhering to traffic rules, inadequate driver training, lack of maintenance of vehicles, Not adhering to life saving rules	Possible fatalities - Lost time injury - Damage to vehicle/property
Hand injuries, cuts and bruises , electrocution, fractures, Injuries, Fatalities	Safety	NO	No regular inspection of tools, Incorrect hand tools,	Lost time injuries
Electrocution	Safety	NO	Incorrect and handling of tools, Improper storage of tools	Possible fatalities - Lost time injury

Falling from heights	Safety	NO	Not using FAS, Not medically fit,	Serious injuries, fatalities,
Objects falling on staff, other equipment	Safety	NO	Tools not secured	Possible property damage - Injury to staff
Staff exposed to excessive noise	Health	NO	Operation of the machine, Incorrect / lack of PPE, No supervision, no training, incorrect use.	NIHL
Hand body vibration	Health	NO	Operation of the machine, not properly maintained,	Lost time injury
Lower Respiratory diseases - Eye injury	Safety	NO	Making use of the machine, Not using PPE	Lost time injury
Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury
Amputation, Fractures, Back, shoulder neck, feet injuries, Blisters.	Safety	NO	Not using correct PPE	Lost time injury
Objects falling on staff, other equipment	Safety	NO	Not staying clear of person working overhead	Possible property damage - Injury to staff
Head, hand, arm and eye injuries	Safety	NO	Not staying clear of person working overhead	Injury to staff
Head injuries, Fractures, Hand, arm and eye injuries, property damage	Safety	NO	Tools not secured	Possible property damage - Injury to staff
Amputation, Fractures, Back, shoulder neck, feet injuries, Blisters.	Safety	NO	Lack of maintenance	Lost time injury
Equipment failure	Safety	NO	Lack of maintenance, Not conducting routine inspections, No test certificates, Not using correct tools for the task at hand	Fatalities, Head injuries, Fractures, Hand, arm and eye injuries, Equipment falling on people in working area

Equipment failure	Safety	NO	Lack of maintenance, Not conducting routine inspections, No test certificates, Not using correct tools for the task at hand	Fatalities, Head injuries, Fractures, Hand, arm and eye injuries, Equipment falling on people in working area
Possible property damage. Injury to staff	Safety	NO	Using incorrect equipment, Inadequate training, Inadequate supervision	Fatalities, Head injuries, Fractures, Hand, arm and eye injuries, Equipment falling on people in working area
Arc eyes. Inhaling off hazardous fumes	Health	NO	Lack of proper ventilation, not using PPE, Inadequate training, Lack of supervision	Lost time injury
Burn wounds		NO	Conducting welding activities	Lost time injury
Electrocution	Safety	NO	Lack of proper maintenance	Possible fatalities - Lost time injury
Lower Respiratory diseases.		NO	Lack of proper ventilation, not using PPE, Inadequate training, Lack of supervision, lack of training	Lost time injury
Electrical shock . Burning from hot metals and tools.	Safety	NO	Lack of proper maintenance	Lost time injury
Burn wounds	Safety	NO	No training of operator, encroaching safety clearance	Possible fatalities - Injury to staff
Fire	Safety	NO	Lack of proper maintenance, Pipe burst, Vehicle accidents	Damage to equipment and structures, Lost time injury
Staff falling/tripping	Safety	NO	Environment	Lost time injury
Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury
Objects falling on staff, other equipment	Safety	NO	Not staying clear of person working overhead	Possible property damage - Injury to staff
Falling from heights	Safety	NO	No proper guard rails around working platforms, Not using Safety harness,	Serious injuries, fatalities,

Equipment falling on staff, other equipment	Safety	NO	Not services cranes, Inadequate inspection of lifting equipment, Incorrect rigging	Possible property damage, Injury to staff
Staff falling from ladders or structures	Safety	NO	Working at heights, steps of ladder	Serious injuries, fatalities
Electrocution	Safety	NO	MAKING CONTACT WITH LIVE EQUIPMENT	Possible fatalities, Lost time injury
Electrocution. Burn wounds. Fire.	Safety	NO	Lack of maintenance	Possible fatalities, Lost time injury
Staff becoming ill, heat stroke	Health	NO	Sun rays	Lost time injury
Staff becoming ill	Health	NO	Cold, Wet weather conditions	Lost time
Amputation, Fractures, Back, shoulder neck, feet iniuries. Blisters	Safety	NO	No regular breaks, No clearing your work area. Operation of the machine.	Lost time injury
Property/lifting equipment damage, Serious injuries/fatalities to bystanders/employees	Safety	NO	No training, Unauthorised personel, No Supervision, Not following Safe work procedures	Serious injuries/fatalities, property damage
Ground, air and water pollution	Health	NO	Lack of maintenace, Faulty equipment	Environmental damage
Property/lifting equipment damage, Serious injuries/fatalities to bystanders/employees	Safety	NO	No training, Unauthorised personel, No Supervision, Not following Safe work procedures	Serious injuries/fatalities, property damage
Equipment falling on staff, other equipment	Safety	NO	Not services cranes, Inadequate inspection of lifting equipment, Incorrect rigging	Possible property damage - Injury to staff
Staff exposed to excessive noise	Health	NO	Not making use of PPE	NIHL
Burn wounds		NO	No training	Possible fatalities - Injury to staff
Fire	Safety	NO	Making use of unserviced equipment	Damage to equipment and structures, Lost time injury

Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury
Falling from heights	Safety	NO	No proper guard rails around working platforms, Not using Safety harness,	Serious injuries, fatalities,
Staff becoming ill, heat stroke	Health	NO	Sun rays	Lost time injury
Staff becoming ill	Health	NO	Cold, Wet weather conditions	Lost time
Electrocution	Safety	NO	Lack of maintenance	Possible fatalities - Lost time injury
Objects falling on staff, other equipment	Safety	NO	Not staying clear of person working overhead	Possible property damage - Injury to staff
Fatigue, Back, shoulder, neck, foot injuries	Health	NO	No Regular breaks, Not assisting one another	Lost time injury
Electrocution. Burn wounds. Fire.	Safety	NO	Lack of maintenance	Possible fatalities, Lost time injury
Ground, air and water pollution - lung irritation	Health	NO	Lack of maintenance, faulty equipment	Environmental damage, lost time injury
Fire	Safety	NO	Lack of maintenance, faulty equipment	Damage to equipment and structures, Lost time injury
Property/lifting equipment damage, Serious injuries/fatalities to bystanders/employees	Safety	NO	No training, Unauthorised personnel, No Supervision, Not following Safe work procedures	Serious injuries/fatalities, property damage

Staff exposed to excessive noise	Health	NO	Operation of the truck, lack of maintainance of the truck	NIHL
Staff becoming ill, heat stroke	Health	NO	Sun rays	Lost time injury
Electrocution	Safety	NO	Incorrect and handling of tools, Improper storage of tools	Possible fatalities - Lost time injury
Air pollution - Lung irritation	Health	NO	Operation of the machine, Not making use of PPE	Lost time injury
Fire	Safety	NO	Making use of unserviced equipment	Damage to equipment and structures, Lost time injury
Equipment falling on staff, other equipment	Safety	NO	Not services cranes, Inadequate inspection of lifting equipment, Incorrect rigging	Possible property damage - Injury to staff
Electrocution. Burn wounds. Fire.	Safety	NO	Lack of maintenance	Possible fatalities, Lost time injury
Electrocution	Safety	NO	MAKING CONTACT WITH LIVE EQUIPMENT	Possible fatalities - Lost time injury
Staff falling/tripping	Safety	NO	Environment	Lost time injury
Falling from heights	Safety	NO	No proper guard rails around working platforms, Not using Safety harness,	Serious injuries, fatalities,
Electrocution	Safety	NO	Lack of maintenace	Possible fatalities - Lost time injury
Back, shoulder neck, feet injuries/discomfort	Health	NO	No regualr breaks	Lost time injury

Injury to personnel and property damage	Safety	NO	Not staying clear of person working overhead	Inj
Burn wounds	Safety	NO	No training	Possible fatalities - Injury to staff
Property/lifting equipment damage, Serious injuries/fatalities to bystanders/employees	Safety	NO	No training, Unauthorised personel, No Supervision, Not following Safe work procedures	Serious injuries/fatalities, property damage

Property/lifting equipment damage, Serious injuries/fatalities to bystanders/employees		NO	No training, Unauthorised personel, No Supervision, Not following Safe work procedures	Serious injuries/fatalities, property damage
Staff exposed to excessive noise	Health	NO	Operation of the truck, lack of maintainance of the truck	NIHL
Staff becoming ill, heat stroke	Health	NO	Sun rays	Lost time injury
Fatigue, Back, shoulder, neck, foot injuries	Health	NO	No regular breaks, No clearing your work area	Lost time injury
Electrocution	Safety	NO	MAKING CONTACT WITH LIVE EQUIPMENT	Possible fatalities - Lost time injury
Electrocution. Burn wounds. Fire.	Safety	NO	Lack of maintenance	Possible fatalities, Lost time injury
Staff falling/tripping	safety	NO	Environment	Lost time injury

Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury
Objects falling on staff, other equipment	Safety	NO	Not staying clear of person working overhead	Possible property damage - Injury to staff

Electrocution	Safety	NO	Lack of maintenace	Possible fatalities - Lost time injury
Falling from heights	Safety	NO	No proper guard rails around working platforms, Not using Safety harness,	Serious injuries, fatalities,
Air pollution - Lung irritation	Health	NO	Operation of the machine, Not making use of PPE	Lost time injury

Fire	Safety	NO	Making use of unserviced equipment	Damage to equipment and structures, Lost time injury
Property/lifting equipment damage, Serious injuries/fatalities to by bystanders/employees	Safety	NO	No training, Unauthorised personel, No Supervision, Not following Safe work procedures	Serious injuries/fatalities, property damage

Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury
Damage to services/ property - Electrocution	Safety	NO		Possible fatalities - Injury to staff
Fatigue, Back, shoulder, neck, foot injuries	Health	NO	Not assisting one another	Lost time injury
Air pollution - Lung irritation	Health	NO	Impact of poles on the ground	Lost time injury
Staff exposed to excessive noise	Health	NO	Truck idling	NIHL
Air pollution - Lung irritation	Health	NO	Operation of the machine, Not making use of PPE	Lost time injury
Fire	Safety	NO	Making use of unserviced equipment	Damage to equipment and structures, Lost time injury
Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury
Hand/foot injuries, cuts and bruises	safety	NO	No regular inspection of tools, Incorrect hand tools,	Lost time injury

Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury
Air pollution - Lung irritation	Health	NO	Impact of poles on the ground	Lost time injury
Fatigue, Back, shoulder, neck, foot injuries	Health	NO	No regular breaks, No clearing your work area	Lost time injury
Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury
Fatigue, Back, shoulder, neck, foot injuries	Health	NO	No proper guard rails around working platforms, Not using Safety harness,	Lost time injury
Fractures, Back, shoulder neck, feet injuries,	Health	NO		Lost time injury
Falling objects or personnel falling off scaffold	Safety	NO	No regular breaks	Serious injuries, fatalities,
Wet or slippery scaffold. Falling, slipping and tripping on or from the scaffold	Safety	NO	No proper guard rails around working platforms, Not using Safety harness,	injuries and possible fatalities

Back, shoulder neck, feet injuries/discomfort		NO	No regular breaks, No clearing your work area	injuries and possible fatalities
Insects bites	Health	NO	Insects in area	Experience burning, pain, itching, rediness, headache, rash, nausea, vomiting
Bee Stings	Health	NO	Bee's in the area	Allergic reactions, swelling,itching, sweating, dizziness, fainting and possible fatality.
Snake bites	Safety	NO	Snakes/dogs in the area	Shock, fever, fainting, rapid pulse and breathing difficulties and worse case fatality.
Slipping on wet floors or uneven surfaces	Safety	NO	Weather conditions	Injury
Injuries - Cuts, bruises & wounds	Safety	NO	Failure to correctly operate, inspections and not wearing correct PPE	LTI or Medical

Electrical shocks	Safety	NO	No proper maintenance & inspections	Fatality, LTI or Medical
Damaging Equipment, Injuries	Safety	NO	Not calibrating equipment on time as per schedule or due date	
Damaging Equipment, Injuries	Safety	NO	Failure to correctly operate and not wearing correct PPE	LTI or Medical
Equipment falling on staff, other equipment	H&S	NO	Weight and awkward material to handle	Possible property damage, Injury to staff
Hand and arm injuries	Health	NO	Poor engineering /design	Strains / sprains/leg/ back injuries
Fatigue, Back, shoulder, neck, foot injuries	Health	NO	Working from a fall risk position and in awkward positions.	Lost time injury/Fatality
Fractures, Back, shoulder neck, feet injuries,	Health	NO	Working from a fall risk position and in awkward positions.	Lost time injury/Fatality
Staff falling/tripping	Health	NO	Environment	Lost time injury

Equipment failure	H&S	NO	Lack of maintenmance, Not conducting routine inspections, No test certificates, Not using correct tools for the task at hand	Fatalities, Head injuries, Fractures, Hand, arm and eye injuries, Equipment falling on people in working area
Arm and joint injuries	Safety	NO	Awkward position/Fatigue	Arm and joint injuries
Fatigue, Back, shoulder, neck, foot, leg injuries	Safety	NO	Lack of Training,no Supervision, inadequate risk assessment	Lost time injury

Template				
				Next Review Date:
First determine Consequence and then the Likelihood of that Consequence.		Risk Priority Rating	Existing Controls	
Consequence	Likelihood			
			Include: - <u>Preventative Controls</u> (controls implemented to eliminate hazards or reduce the likelihood of the risk occurring), and - <u>Reactive Controls</u> (controls implemented to reduce the immediate impact of the risk occurring)	RCE Risk Control Effectiveness
4	3	II	Staff driving vehicles to have national driver's license and Eskom driver's evaluation permit, vehicles in roadworthy condition, only transport authorised staff in vehicle, pre-trip checks, and obeying of all traffic laws, Adherence to life saving rules and drive Cam. Discuss in safety meetings	P

4	3	II	Drivers to adhere to company rules and srtrictly drive at required speed limits on the premises.Driving assessment and Behaviour observations.valid drivers permit and eskom driving permit	
4	3	II	Life Saving Rules.	
1	3	III	Drivers to ensure good observation is maintained. request assistance if required.	
3	3	II	Drivers and pedestrians to ensure good observation is maintained, adherence to pedestrian crossings and speed limits	
4	3	II	Staff driving vehicles to have national driver's license and Eskom driver's evaluation permit, vehicles in roadworthy condition, only transport authorised staff in vehicle, pre-trip checks,and obeying of all traffic laws, adherence to life saving rules.	P
3	2	III	Individuals to be aware of their status regarding allergies and inform rest of group. In the case of a bee sting, make use of a first aider.	P
3	2	III	Leave snakes alone. Always be aware of your surroundings. Stay out of tall grass unless you wear thick leather boots.Keep hands and feet out of areas you cannot see. It is very important to try and note what the snake looked like (colour, size etc).... to assist Medical Services or treating physician to establish what anti-venom to administer	P
3	3	II	Obey barricades & sign posting, PPE to be worn, be aware of where you are stepping, clean up spills immediately, Safety talks & Risk Assesment	P

2	3	II	Training/authorisation. correct lifting equipment. Supervision, Q52 Critical Task Procedure. Critical Task Training. Observations. pre-job brief. SHE talks. Inspection certificate. Use of Vehicle Mounted Crane	P
4	3	II	Training/authorisation. correct lifting equipment. Supervision, Q52 Critical Task Procedure. Critical Task Training. Observations. pre-job brief. SHE talks. Inspection certificate. Use of Vehicle Mounted Crane	P
4	2	III	Firefighting training, regular inspection of fire fighting equipment, Supervision	P
2	3	III	Waste management training, Safe working procedures, applicable PPE, medical surveillance	P
2	3	III	Waste management training, Safe working procedures, applicable PPE, medical surveillance	P
2	3	III	Waste management training, Safe working procedures, applicable PPE, medical surveillance	P
2	3	III	Waste management training, Safe working procedures, applicable PPE, medical surveillance	P
4	3	III	Waste management training, Safe working procedures, applicable PPE, medical surveillance	P
4	3	III	Waste management training, Safe working procedures, applicable PPE, medical surveillance	P
2	3	III	Waste management training, Safe working procedures, applicable PPE, medical surveillance	P

4	3	II	Wearing PPE (Gloves & Face Mask)	F
1	3	III	Only purchase approved products, provide sufficient training.	F
4	2	III	Fire fighting equipment available, Regular inspection of equipment, Training of staff	P
4	3	II	Keep safe working space around the machine, Supervision, proper risk assessment and Training of staff	P
4	2	III	Supervision, Training, Hearing protection devices, medical surveillance	P
5	4	I	Excavate to natural angle of repose - Excavation shored/braced, Sides of excavation fenced off, Supervision.	P
4	3	II	Keep safe working space around the machine, Supervision, Training of staff	P
5	4	I	Way leave	P
3	2	III	Regular breaks	P

2	3	III	Safety Talks, Correct PPE for the job, use of correct tools for the job, tools to be in good condition, pre-job brief,.Use "hand free" approach Regular inspection of hand tools, PPE	P
5	4	I	Excavate to natural angle of repose - Excavation shored/braced, Sides of excavation fenced off, Training on excavation work, Supervision.	P
5	2	II	Excavate to natural angle of repose - Excavation shored/braced, Sides of excavation fenced off, Training on excavation work, Supervision.	P
5	4	I	Way leave	P
2	1	IV	Rotation of jackhammer operator, Proper lifting technique and training, medical surveillances	P
2	3	III	Eye protection,Q25 Dust masks	P
2	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P
4	2	III	Fire fighting equipment available - Regular inspection of equipment, Training on the use of the equipment	P
2	2	IV	Regular breaks	P
5	2	II	Way leave	P

4	2	III	Supervision, Training, Hearing protection devices, medical surveillance	P
4	2	IV	Proper personal protective equipment	P
4	2	III	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances	P
4	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P
4	2	III	Fire fighting equipment available - Regular inspection of equipment, Training on the use of the equipment	P
5	1	III	Regular inspections and pressure testing of air receivers, Regular inspection of pipes	P
4	2	III	Supervision, Training, Hearing protection devices, medical surveillance	P
4	2	III	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances	P
2	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P
4	2	III	Fire fighting equipment available - Regular inspection of equipment, Training on the use of the equipment	P
4	2	III	Supervision, Training, Hearing protection devices, medical surveillance	P
2	1	IV	Rotation of compactor operator, Proper lifting technique and training, medical surveillances	P
2	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P
4	2	III	Fire fighting equipment available - Regular inspection of equipment, Training on the use of the equipment	P
4	2	IV	Regular breaks	P

4	3	III	Eye protection, Dust masks	P
4	2	III	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances	P
4	4	I	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances	P
4	4	I	Keep safe working space around the machine, Supervision, Training of staff	P
5	4	I	Legal certificate, Safe working platforms, Supervision, Training of staff, Safety harnesses, Medical certificates of fitness,	P
5	4	I	Proper PPE, Keep working area underneath operator safe. Make sure safe working loads of tool and equipment (conductors, slings ext.). Visual inspections before use. Proper training, medical surveillance	P
5	4	I	Proper PPE, Supervision, Proper training, authorisation for operator, relevant certificate for the aerial bucket, medical surveillances	P
5	4	I	Training/authorisation. correct lifting equipment. Supervision, Q52 Critical Task Procedure. Critical Task Training. Observations. pre-job brief. SHE talks. Inspection certificate	P
4	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P
4	2	III	Fire fighting equipment available, Regular inspection of equipment, Training of staff	P

4	4	I	Keep safe working space around the machine, Supervision, Training of staff	P
5	4	I	Unauthorised use of lifting machines prohibited. Safety talks.	P
5	4	I	Legal certificate, Safe working platforms, Supervision, Training of staff, Safety harnesses, Medical certificates of fitness,	P
5	4	I	Proper PPE, Keep working area underneath operator safe. Make sure safe working loads of tool and equipment (conductors, slings ext.). Visual inspections before use. Proper training, medical surveillance	P
5	4	I	Proper PPE, Supervision, Proper training, authorisation for operator, relevant certificate for the aerial bucket, medical surveillances	P
4	2	III	Supervision, Training, Hearing protection devices, medical surveillance	P
4	1	IV	Rotation of operator, Proper lifting technique and training, medical surveillances	P
4	3	III	Special Safety boots, Face shields, Ear protection, Eye protection, Dust masks, gloves	P

2	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P
4	2	III	Fire fighting equipment available, Regular inspection of equipment, Training of staff	P
4	2	IV	Regular breaks	P
4	2	III	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances	P
4	2	III	Supervision, Training, Hearing protection devices, medical surveillance	P
4	1	IV	Rotation of operator, Proper lifting technique and training, medical surveillances	P
2	2	IV	Regular breaks	P
4	2	III	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances	P
4	3	III	Eye protection, Dust masks	P
4	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P
4	2	III	Fire fighting equipment available, Regular inspection of equipment, Training of staff	P

4	2	III	Supervision, Training, Hearing protection devices, medical surveillance	P
4	1	IV	Rotation of operator, Proper lifting technique and training, medical surveillances	P
4	2	IV	Regular breaks	P
4	3	III	Eye protection, Dust masks	P
4	2	III	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances	P
5	4	I	Routine maintenance of equipment	P
4	3	II	Valid drivers licence, Pre and post trip inspections, regular breaks, Life saving rules, Dangerous goods training, Defensive driving, PDP, Driver with a co driver	P
5	3	II	Valid drivers licence, regular rest stops	P
4	3	III	Pre trip inspections, Maintenance of vehicle,	P
4	2	III	Fire fighting equipment available, Regular inspection of equipment, Training of staff	P
4	3	II	Valid drivers licence, Pre and post trip inspections, PDP, Life saving rules	P
4	3	III	Medical surveillance, training, regular inspections, PPE	P
5	4	I	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorisation. Mental alertness and physical ability.	P

5	4	I	Safe working platforms, Supervision, Training of staff, Safety harnesses, Medical certificates of fitness	P
5	4	I	Proper PPE, Keep working area underneath operator safe. Proper training, medical surveillance.	P
4	2	III	Supervision, Training, Hearing protection devices, medical surveillance	P
4	1	IV	Rotation of operator, Proper lifting technique and training, medical surveillances	P
4	4	II	Eye protection, Dust masks	P
4	2	IV	Regular breaks	P
4	4	II	Leather Gloves, Overall,- Safety Boots, Keep working area safe, Proper handling technique and training,	P
5	4	I	Proper PPE, Keep working area underneath operator safe. Proper training, medical surveillance	P
3	4	II	Training, correct PPE, Control cable ends	P
5	4	I	Proper PPE, Keep working area underneath operator safe. Proper training, medical surveillance.	P
3	4	II	Leather Gloves, Overall, Safety Boots, Keep working area safe, Proper lifting technique and training, medical surveillances	P
3	5	II	Proper PPE, Keep safe working space around the operator. Keep working area underneath operator safe. Make sure safe working loads of tool and equipment (conductors, slings ext.). Regular testing of equipment. Visual inspections before use. Proper training, medical surveillance	P

3	5	II	Proper PPE, Keep safe working space around the operator. Keep working area underneath operator safe. Make sure safe working loads of tool and equipment (conductors, slings ext.). Regular testing of equipment. Visual inspections before use. Proper training, medical surveillance.	P
3	5	II	Proper PPE, Keep safe working space around the operator. Keep working area underneath operator safe. Make sure safe working loads of tool and equipment (conductors, slings ext.). Regular testing of equipment. Visual inspections before use. Proper training, medical surveillance	
3	4	II	Wear welding gloves. Wear welding helmet. Medical surveillances on people that uses it regularly. Only authorised people. Training. Working area to shielded off	
3	4	II	Wear welding gloves. Wear welding helmet. Wear welding apron. Only authorised people. Training. Working area to shielded off	P
3	4	II	Regular inspections of welding machine, cabling and clamps	P
2	3	III	Work in ventilated area. Medical surveillances on people that uses it regularly. Only authorised operators. Training.	P
2	4	III	Regular inspections of welding machine, cabling and clamps	P
4	4	I	Supervision - Proper PPE, Proper training and authorisation	P
4	2	III	Fire fighting equipment available - Regular inspection of equipment - Training of staff	P
4	3	II	Obey barricades & sign posting, PPE to be worn, be aware of where you are stepping, clean up spills immediately, Safety talks,	P
3	4	II	Regular breaks	P
5	4	I	Proper PPE, Keep working area underneath operator safe. Proper training, medical surveillance.	P
5	4	I	Safe working platforms, Supervision, Training of staff, Safety harnesses, Medical certificates of fitness	P

4	4	I	Keep safe working space around the machine, Supervision, Training of staff	P
3	5	II	Supervision, Training of staff, Safety harnesses, Medical certificates of fitness	P
5	4	I	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorisation. Mental alertness and physical ability.	P
4	5	II	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorisation. Mental alertness and physical ability.	P
4	3	III	Regular breaks, Availability of adequate water	P
4	3	III	Regular breaks, PPE	P
4	4	II	Leather Gloves, Dusk Mask, Overall, Safety Boots, Keep working area safe, Proper lifting technique and training. medical surveillances.	P
5	4	I	Supervision, Disciplinary action, Proper training and authorisation	P
3	4	II	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P
5	4	I	Supervision, Disciplinary action, Proper training and authorisation	P
4	4	I	Keep safe working space around the machine, Supervision, Training of staff	P
4	4	II	Supervision, Training, Hearing protection devices medical surveillance	P
4	4	I	Supervision - Proper PPE, Proper training and authorisation	P
4	2	III	Fire fighting equipment available - Regular inspection of equipment - Training of staff	P

4	4	II	Regular breaks	P
5	4	I	Safe working platforms, Supervision, Training of staff, Safety harnesses, Medical certificates of fitness	P
4	3	III	Regular breaks, Availability of adequate water	P
4	3	III	Regular breaks, PPE	P
5	4	I	Regular service, maintenance and inspection of equipment	P
5	4	I	Proper PPE, Keep working area underneath operator safe. Proper training, medical surveillance	P
4	5	I	Regular breaks - Safety shoes	P
4	5	II	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorisation. Mental alertness and physical ability.	P
4	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P
4	2	III	Fire fighting equipment available - Regular inspection of equipment - Training of staff	P
5	4	I	Supervision, Disciplinary action, Proper training and authorisation	P

4	2	III	Supervision, Training, Hearing protection devices medical surveillance	P
4	3	III	Regular breaks, Availability of adequate water	P
5	4	I	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorisation. Mental alertness and physical ability.	P
4	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P
4	2	III	Fire fighting equipment available - Regular inspection of equipment	P
4	4	I	Keep safe working space around the machine, Supervision, Training of staff	P
5	4	I	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorisation. Mental alertness and physical ability.	P
5	4	I	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorisation. Mental alertness and physical ability.	P
4	3	II	Obey barricades & sign posting, PPE to be worn, be aware of where you are stepping, clean up spills immediately, Safety talks,	P
5	4	I	Safe working platforms, Supervision, Training of staff, Safety harnesses, Medical certificates of fitness	P
5	4	I	Regular service, maintenance and inspection of equipment	P
4	4	II	Regular breaks	P

5	4	I		P
4	4	I		P
5	4	I	Supervision, Disciplinary action, Proper training and authorisation	P

3	5	II	Supervision, Disciplinary action, Proper training and authorisation	P
4	2	III	Supervision, Training, Hearing protection devices medical surveillance	P
4	3	III	Regular breaks, Availability of adequate water	P
4	4	II	Regular breaks, Safety shoes	P
5	4	I	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorisation. Mental alertness and physical ability.	P
4	5	II	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorisation. Mental alertness and physical ability.	P
4	3	II	Obey barricades & sign posting, PPE to be worn, be aware of where you are stepping, clean up spills immediately, Safety talks,	P

4	4	II	Regular breaks	P
5	4	I	Proper PPE, Keep working area underneath operator safe. Proper training, medical surveillance	P

5	4	I	Regular service, maintenance and inspection of equipment	P
5	4	I	Safe working platforms, Supervision, Training of staff, Safety harnesses, Medical certificates of fitness	P
4	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P

4	2	III	Fire fighting equipment available - Regular inspection of equipment	P
5	4	I	Supervision, Disciplinary action, Proper training and authorisation	P

3	4	II	Regular breaks	P
3	4	II	Way leave	P
4	2	III	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances	P
2	3	III	Dust mask, Proper PPE, medical surveillance	P
4	2	III	Supervision, Training, Hearing protection devices medical surveillance	P
4	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P
4	2	III	Fire fighting equipment available - Regular inspection of equipment	P
4	4	II	Regular breaks	P
4	3	III	Regular inspections of hand tools - PPE	P

4	5	II	Regular breaks	P
4	3	III	Dust mask - Proper PPE - medical surveillance	P
4	5	II	Regular breaks - Safety shoes	P
4	4	II	Regular breaks	P
4	4	II	Regular breaks - Safety shoes	P
4	4	II	Leather Gloves - Dusk Mask - Overall - Safety Boots - Keep working area safe - Proper lifting technique and training - medical surveillances.	P
5	4	I	Safe working platforms, Supervision, Training of staff, Safety harnesses, Medical certificates of fitness	P
4	4	II	Regular breaks - Safety shoes	P

4	2	III	Regular breaks	P
3	3	II	OPERATIONAL CONTROL: Individuals to be aware of their status regarding allergies. Seek immediate emergency care for treatment. Treatment may include: Wash the area well with soap and water. Apply a cold or ice pack wrapped in a cloth, or a cold, wet washcloth to the site. Protect against infection. Give acetaminophen for pain. Elevate the site if the bite occurred on	P
3	3	II	Safety talks, Risk assessment, Situational awareness, Individuals to be aware of their status. Share status to their colleagues, Medical surveillance	P
3	3	II	Call for emergency assistance immediately. While waiting for emergency assistance: Wash the bite with soap and water. Immobilize the bitten area and keep it lower than the heart. Cover the area with a clean, cool compress or a moist dressing to minimize swelling and discomfort. Monitor breathing and heart rate. Remove all rings, watches, and constrictive clothing, in case of swelling. Note the time of the bite so that it can be reported to an emergency room physician if needed. Do not apply a tourniquet. Leave	P
4	3	II	Obey barricades & sign posting, PPE to be worn, be aware of where you are stepping, clean up spills immediately, Safety talks,	
4	2	III	Use equipment as per safe working instructions, Wear correct PPE	F

5	3	II	Periodical Inspections & Maintenance	F
5	3	II	Periodical Inspections & Maintenance	F
4	3	II	Use equipment as per safe working instructions, Wear correct PPE	F
4	3	II	Keep safe working space around the machine, Supervision, Training of staff	P
4	3	II	Redesign the brake mechanism on the conductor drum and Trestle.	P
5	3	II	Inspect FAS before use, hook up to suitable anchor point.	P
5	3	II	Leather Gloves - Overall - Safety Boots - Hardhat - Proper training - medical surveillances.	P
4	3	II	PPE to be worn, be aware of where you are stepping, Safety talks,	P

5	3	II	Proper PPE, Keep safe working space around the operator. Keep working area underneath operator safe. Make sure safe working loads of tool and equipment (conductors, slings ext.). Regular testing of equipment. Visual inspections before use. Proper training, medical surveillance	P
3	3	II	Take regular breaks and share the workload.	P
4	4	I	Regular breaks - Safety shoes	P

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			Revision:	0			
			Revision date:				
4: Evaluate Risk							
Additional Controls or Tasks Aimed at improving Existing Controls		First determine Consequence and then the Likelihood of that Consequence.		Risk Priority Rating	Monitoring Mechanisms	Control Owner	Legal and Other Requirements
Include: - <u>Preventative Controls</u> (controls implemented to eliminate hazards or reduce the likelihood of the risk occurring), and - <u>Reactive Controls</u> (controls implemented to reduce the immediate impact of the risk occurring)		Consequence	Likelihood		How we know if we are succeeding. Include comments on effectiveness. This may include i.e. measurements, inspections, supervision where necessary.	Person allocated the responsibility for implementing the agreed controls	Where relevant, list the relevant legislative and or Eskom requirements that prescribe the control.
To adhere to the existing controls		4	3	II	Vehicle Inspections	Employer	National Road Safety Act. ESKOM Procedure 32-93 (Vehicle and driver safety management) . ESKOM Procedure 36-588 (Vehicle safety and transportation management). Life saving rules

Securities to monitor movement of vehicles and report overspeeding of vehicles.monitoring of speeding fines.wreckless drivers to be accompanied by Manager/supervisor	1	3	III	Report on speed violations	Employer	Eskom Procedure and National Traffic Regs
Adherence to National Traffic Rules	4	3			Employer	
Drivers to switch on headlights to improve visibility when necessary.Request assistance if required.	1	3	III	Incident Stats	Employer	
Improve signage ,communication to staff and visibility of pedestrian crossing.adhering to speed limits	1	3	III		Employer	
To adhere to the existing controls	3	2	III	Incident records	Employer	National Road Safety Act. ESKOM Procedure 32-93 (Vehicle and driver safety management) . ESKOM
Employees to confirm for bee allergies	2	2	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) 85 of 1993 Section: 14 GENERAL DUTIES of EMPLOYER Subsection: (a) - (d) read with Section: 21 GENERAL PROHIBITIONS Subsection: (c)
Employees to be tested for allergies	2	4	III		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) 85 of 1993 Section: 14 GENERAL DUTIES of EMPLOYER Subsection: (a) - (d) read with Section: 21 GENERAL PROHIBITIONS Subsection: (c)
Awareness	2	2	IV	Records	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) section 8 (1): Employer shall provide and maintain as far as is reasonably practicable a working environment that is safe and without risk to the health of his employees.

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Maintain existing controls, use appropriate decanting device	1	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls.	1	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Inspection register	Employer	Environmental Regulations for Workplaces 9 and SANS 10400
Maintain existing controls	2	1	IV	Inspection register	Employer	Construction Regulations 21
Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	Noise Induced Hearing Loss Regulations 6(1) and 7(1)
Staff to be trained on excavation work, Appointment of Excavation Supervisors	2	1	IV	Supervision	Employer	Construction Regulations 11
Maintain existing controls	2	1	IV	Supervision	Employer	Section 8
Maintain existing controls	2	1	IV	Supervision	Employer	Construction Regulations 11
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)

Maintain existing controls	2	1	IV	Inspection register	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls, Medical surveillances, Appoint Excavation Supervisor	2	1	IV	Register, Observations	Employer	Construction Regulations 8 (2)
Excavation Supervisor, Assistant Supervisor	2	1	IV	Inspection, Supervision	Employer	Construction Regulations 11
Maintain existing controls	2	1	IV	Supervision	Employer	Construction Regulations 11
Maintain existing controls	2	1	IV	Inspections, Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Hazardous Chemical Substance Regulations 7
Maintain existing controls	2	1	IV	Inspection register	Employer	Environmental Regulations for Workplaces 9 and SANS 10400
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Construction Regulations 11

Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	Noise Induced Hearing Loss Regulations 6(1) and 7(1)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Inspections	Employer	Hazardous Chemical Substance Regulations 7
Maintain existing controls	2	1	IV	Inspections	Employer	Environmental Regulations for Workplaces 9 and SANS 10400
Maintain existing controls	2	1	IV	Inspections	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	Noise Induced Hearing Loss Regulations 6(1) and 7(1)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Inspections	Employer	Hazardous Chemical Substance Regulations 7
Maintain existing controls	2	1	IV	Inspections	Employer	Environmental Regulations for Workplaces 9 and SANS 10400
Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	Noise Induced Hearing Loss Regulations 6(1) and 7(1)
Maintain existing controls	2	1	IV	Inspections, Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Inspections	Employer	Hazardous Chemical Substance Regulations 7
Maintain existing controls	2	1	IV	Inspections	Employer	ERW 9 and SANS 10400
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)

Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision, Observations	Employer	Construction Regulation 8: (Fall Protection). Working at Height Procedure 32-418.
Maintain existing controls	2	1	IV	Supervision, Observations	Employer	Construction Regulation 8: (Fall Protection). Working at Height Procedure 32-418.
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Driven Machinery Regulation 18: (Lifting Machines and Lifting Tackles
Maintain existing controls	2	1	IV	Supervision	Employer	Hazardous Chemical Substance Regulations 7
Maintain existing controls	2	1	IV	Supervision	Employer	ERW 9 and SANS 10400

Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision, Observations	Employer	Driven Machinery Regulation 18: (Lifting Machines and Lifting Tackles
Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	Construction Regulation 8: (Fall Protection). Working at Height Procedure 32-418.
Maintain existing controls	2	1	IV	Supervision	Employer	Construction Regulation 8: (Fall Protection). Working at Height Procedure 32-418.
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	Noise Induced Hearing Loss Regulations 6(1) and 7(1)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)

Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Inspection	Employer	ERW 9 and SANS 10400
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	Noise Induced Hearing Loss Regulations 6(1) and 7(1)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Inspections	Employer	ERW 9 and SANS 10400

Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	NIHLR 6(1) and 7(1)
Maintain existing controls	2	1	IV	Supervision, Medical Suivellance	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Inspections	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Inspections	Employer	Hazardous Chemical Substance Regulations 7
Maintain existing controls	2	1	IV	Inspections	Employer	ERW 9 and SANS 10400
Maintain existing controls	2	1	IV	Incident register/coida reports/ annexure 1 forms	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Inspections	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Inspections	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)

Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	Noise Induced Hearing Loss Regulations 6(1) and 7(1)
Maintain existing controls	2	1	IV	Inspections	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision, Inspections	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)

Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	General Safety Regulation 9
Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	General Safety Regulation 9
Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	General Safety Regulation 9
Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	General Safety Regulation 9
Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	General Safety Regulation 9
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	ERW 9 and SANS 10400
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)

Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	General Safety Regulation 13A
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
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Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	ERW 9 and SANS 10400

Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
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Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	Hazardous Chemical Substance Regulations 7
Maintain existing controls	2	1	IV		Employer	ERW 9 and SANS 10400
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)

Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)

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Maintain existing controls	2	1	IV		Employer	
Maintain existing controls	2	1	IV		Employer	

Maintain existing controls	2	1	IV		Employer	Electrical Machinery Regulation 8: (Portable Electric Tools).
Maintain existing controls	2	1	IV		Employer	Construction Regulation 8: (Fall Protection). Working at Height Procedure 32-418.
Maintain existing controls	2	1	IV		Employer	

Maintain existing controls	2	1	IV		Employer	
Maintain existing controls	2	1	IV		Employer	

Maintain existing controls	2	1	IV		Employer	
Maintain existing controls	2	1	IV		Employer	
Maintain existing controls	2	1	IV		Employer	
Maintain existing controls	2	1	IV		Employer	
Maintain existing controls	2	1	IV	Supervision/ Medical	Employer	
Maintain existing controls	2	1	IV		Employer	
Maintain existing controls	2	1	IV		Employer	
Maintain existing controls	2	1	IV		Employer	
Maintain existing controls	2	1	IV		Employer	

Maintain existing controls	2	1	IV		Employer	
Maintain existing controls	2	1	IV		Employer	
Maintain existing controls	2	1	IV		Employer	
Maintain existing controls	2	1	IV		Employer	
Maintain existing controls	2	1	IV		Employer	Construction Regulation 8: (Fall Protection Plan). Working at Height Procedure 32-418.
Maintain existing controls	2	1	IV		Employer	
Maintain existing controls	2	1	IV		Employer	Construction Regulation 8: (Fall Protection Plan). Working at Height Procedure 32-418.
					Employer	
Maintain existing controls	2	1	IV		Employer	

Maintain existing controls	2	1	IV		Employer	
Maintain existing controls	2	1	IV		Employer	OHSACT 8(1) Employer shall provide and maintain, as far as reasonably practicable, a working environment that is safe and without risk to the health of
Maintain existing controls	2	1	IV		Employer	OHSACT 8(1) Employer shall provide and maintain, as far as reasonably practicable, a working environment that is safe and without risk to the health of his employees.
Maintain existing controls	2	1	IV		Employer	OHSACT 8(1) Employer shall provide and maintain, as far as reasonably practicable, a working environment that is safe and without risk to the health of his employees.
Maintain existing controls	2	1	IV		Employer	
Maintain existing controls, On Job Observations	1	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)

Maintain existing controls	1	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	1	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	1	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Capturing and monitoring incidents and reported near misses	Employer	OHSACT 8(1) Employer shall provide and maintain, as far as reasonably practicable, a working environment that is safe and without risk to the health of his employees.
Maintain existing controls	2	2	IV	Capturing and monitoring incidents and reported near misses	Employer	OHSACT 8(1) Employer shall provide and maintain, as far as reasonably practicable, a working environment that is safe and without risk to the health of his employees.
Maintain existing controls	2	1	IV	Planned task observations and Behavioral Observations	Employer	Construction Regulation 8: (Fall Protection Plan). Working at Height Procedure 32-418.
Maintain existing controls	2	1	IV	Planned task observations and Behavioral Observations	Employer	Construction Regulation 8: (Fall Protection Plan). Working at Height Procedure 32-418.
Maintain existing controls	2	1	IV	Capturing and monitoring incidents and reported near misses	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)

Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Maintain existing controls, medical surveillances.	2	1	IV	Observations	Employer	Construction Regulation 8: (Fall Protection Plan). Working at Height Procedure 32-418.

5: Reduce & Eliminate Risk

Initial Target Date	Revised Target Date	Current Status	Independent Verification <small>(i.e. Confirmation that the objectives have been met)</small>		Comments
Once a date has been agreed to, this can not be changed	Used if, for any reason, a Target Date is revised. Use the Comments field to explain.	Pending, In Progress, Complete	Date Done:	By whom:	

III	II	I	I	I
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		In Progress			
		In Progress			
		In Progress			

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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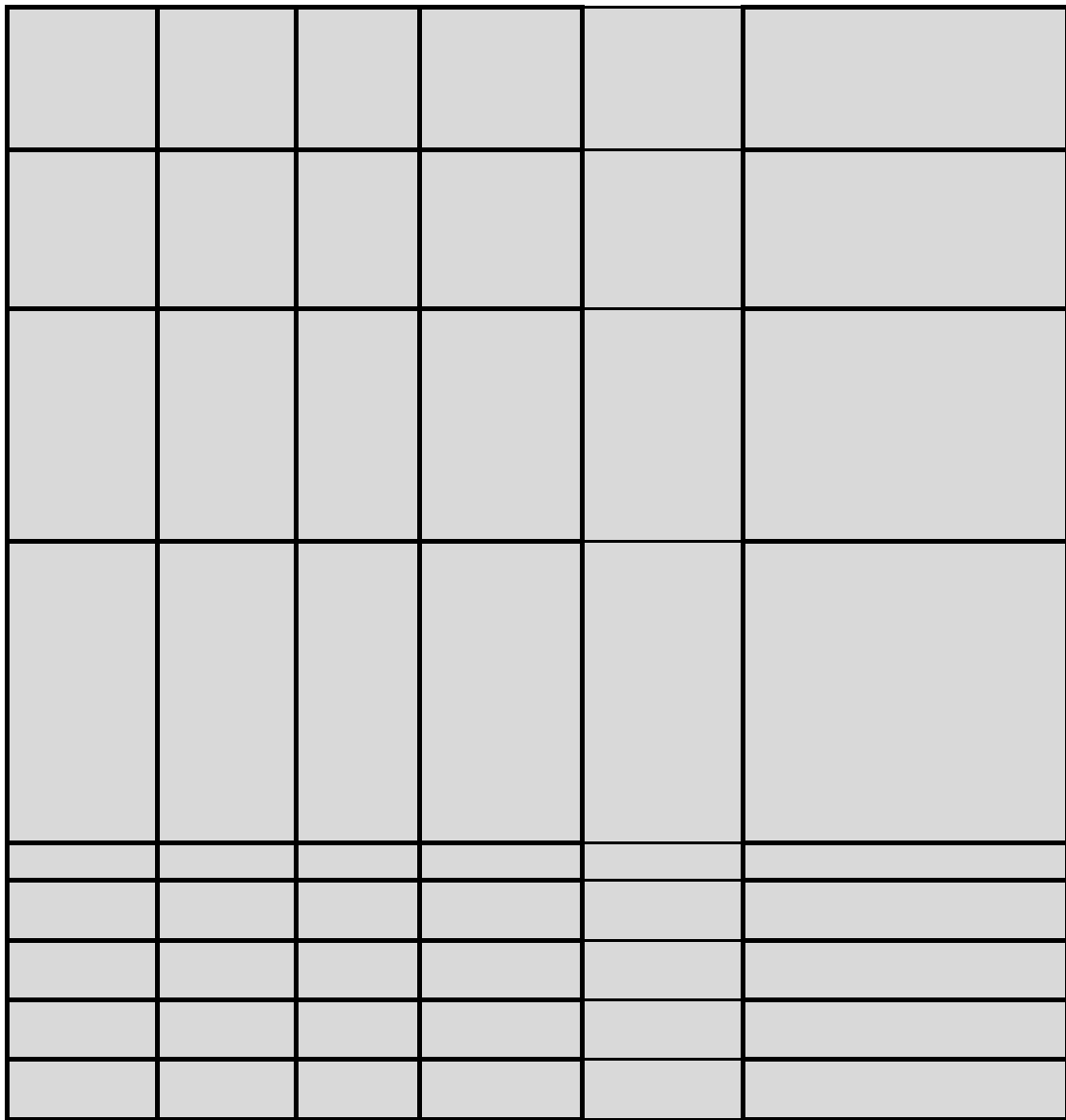
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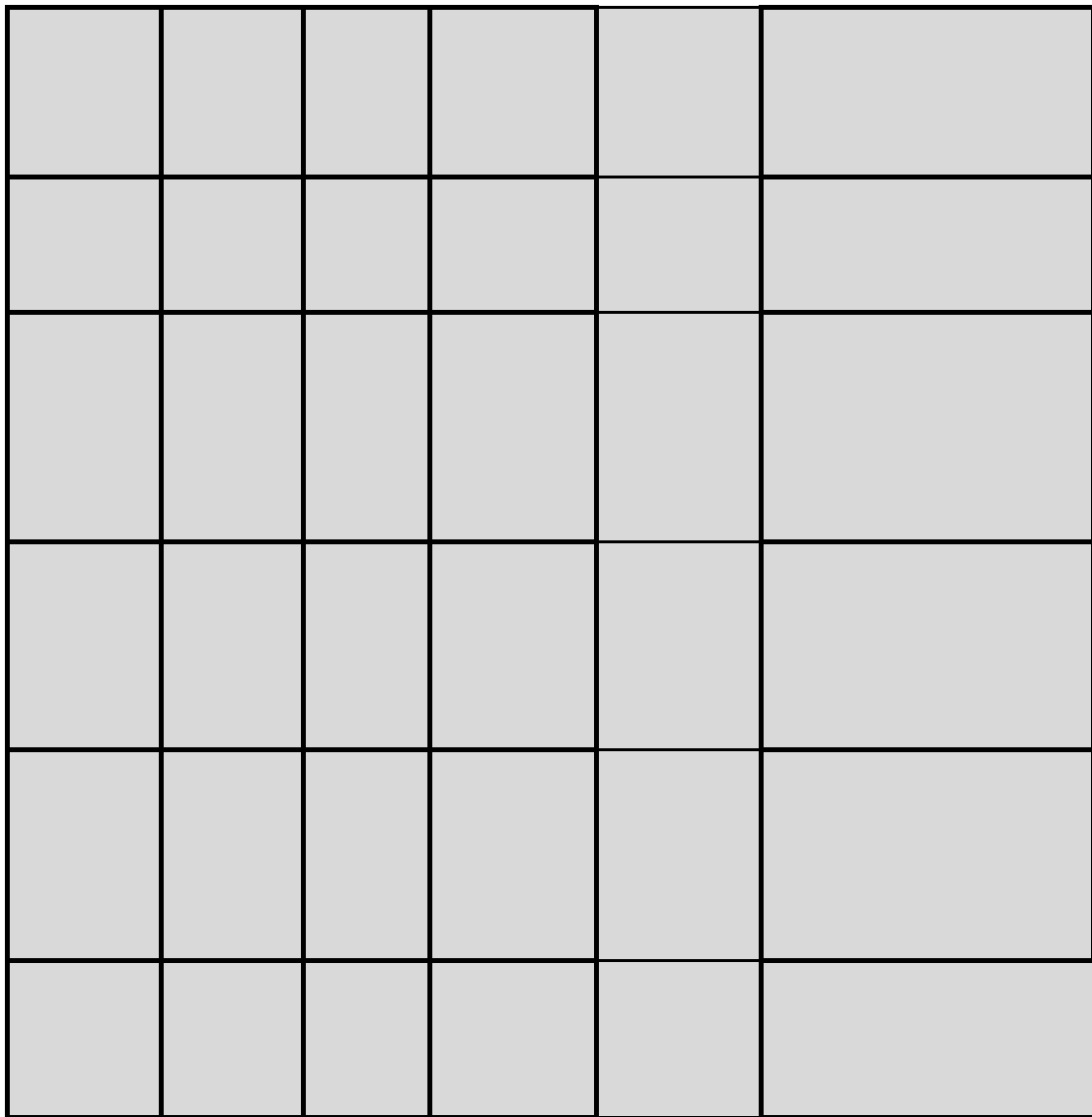
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[illegible]

Yes	Safety	1	1	F	I
No	Health	2	2	P	II
		3	3	I	III
		4	4	Ti	IV

Yes	Safety	1	1	F	I
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Consequences	6	III	II	I	I	I
	5	III	II	II	I	I
	4	IV	III	II	I	I
	3	IV	III	II	II	I
	2	IV	IV	III	II	II
	1	IV	IV	III	III	III

No	Health	2	2 P	II
		3	3 I	III
		4	4 Ti	IV
		5	5 N	
		6		

1	2	3	4	5
Likelihood				

