

Occupational Health and Safety Baseline risk assessment template								
Business/Operating unit:	Kendal CCTV Project Phase 1 Repairs						Next Review Date (every 2 years):	Template identifier:
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Refer to Occupational Health and Safety Risk assessment procedure 32-520								
List activity	Hazard Identification	Associated risk	Risk type	What are the possible consequences?	Existing Controls		Control Owner	Legal and Other Requirements
List specific activities to be performed taking into consideration the equipment to be used, the personnel involved in the task.	Anything with potential to cause of harm. <b>Note:</b> A hazard can pose more than one risk.	A chance that injury, ill health or damage could occur as a result of uncontrolled hazard.	Safety or health	Consider the worse case scenario without controls?	Include: - Preventative Controls (controls implemented to eliminate hazards or reduce the likelihood of the risk occurring), and - Reactive Controls (controls implemented to reduce the immediate impact of the risk occurring)  Elimination Substitution Engineering controls Administrative controls Personal protective equipment (PPE)	RCE Risk Control Effectiveness	Person allocated the responsibility for implementing the agreed controls	Where relevant, list the relevant legislative and or Eskom requirements that prescribe the control.
On-site Driving	Unfavourable road conditions i.e potholes, wet/muddy road	Driving over or into potholes, driving over speed limit, loss of control of vehicle due to wet or muddy conditions	Safety	Property damage (accident) and injuries to driver, pedestrians and animals unseen by the driver, LTI	Obey the speed limit on site of 40km/h at all times or otherwise as indicated on the road signs. Valid Driver's licence	Mostly Effective	Contractor/Client	OHS Act, Traffic Rules
	Unfavourable weather conditions due to Mist/Fog/heavy rain/Ash dust fog	Poor visibility i.e driver unable to see the road clearly	Safety	Property damage (accident) and injuries to driver, pedestrians and animals unseen by the driver, LTI	Obey the speed limit on site of 40km/h at all times or otherwise as indicated on the road signs. Valid Driver's licence	Mostly Effective	Contractor/Client	OHS Act, Traffic Rules
	Exposure to unfit road users, pedestrians and/or stray animals	Accident involving both parties	Safety	Property damage (accident) and injuries to driver, pedestrians and animals unseen by the driver, LTI	Obey the speed limit on site of 40km/h at all times or otherwise as indicated on the road signs. Be vigilant when driving around the station Valid Driver's licence	Mostly Effective	Contractor/Client	OHS Act, Traffic Rules
Execution of scope	Corona virus	Exposure to corona virus, contact with infected person	Health	coughing, body aches, nausea and vomiting, shortness of breath, if symptoms are not treated possible fatality	daily screening conducted, self-screening encouraged, stay home when sick, employer to ensure covid-19 protocols and regulations are adhered to in the work place. Required PPE is worn	Mostly Effective	Contractor/Client	OHS Act, National Health Act
	Public unrest	Intimidation and violence from protestors	Safety	injuries and property damage	risk assessment, check in with project manager if there is a probability of a strike	Mostly Effective	Contractor/Client	OHS Act
Installation of Morpho Wave Reader at Entry and Exit Lanes at the gate	Moving Vehicles	Motor vehicles bumping into employees while working at the gate	Safety	MVA (first aid and/or medical injuries)	Traffic management by personnel at the gate, barricading/ closure of the lane(s) where employees will be working	Mostly Effective	Contractor/Client	OHS Act, GSR
	Cold Weather conditions	employees exposed to cold weather conditions while performing tasks	Safety	Shivering, frost bites, Cold&Flue	Wear weather appropriate clothing i.e thermal work suits, take regular breaks,	Mostly Effective	Contractor/Client	OHS Act, GSR
	Hot Weather conditions	employees exposed to hot weather while performing tasks	Safety	Excessive sweating, cramps, dehydration, heat exhaustion and heatstroke.	Employees are expected to take regular breaks and have water on hand to rehydrate. Wear breathable PPE suitable for hot temperatures	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations

	Live Cables	Exposure to live plant, exposed wires, non-isolated plant	Safety	Electric shock that may lead to serious burn injuries and/or fatality	Permit To Work, Required PPE, Usage of correct working tools, Induction training. Observance of life-saving rules and SWP to be in place	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Uneven surfaces	employees may trip and fall over uneven ground surfaces and levels	Safety	cuts,bruises, twists and fractures	risk assessment, awareness training site induction. Employees to wear adequate PPE	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Hand tools	Use of defective and incorrect/poorly designed hand tools	Safety	medical injuries (lacerations, cuts), aches and pains due to loose handles or poor design	risk assessment, SWP, tool inspection prior to use and defect process to be followed.	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
<b>Installation of Morpho Wave Reader at Entry and Exit Turnstiles at the gate</b>	Moving Vehicles	Motor vehicles bumping into employees while working at the gate	Safety	MVA (first aid and/or medical injuries)	Traffic management by personnel at the gate, barricading/ closure of the lane(s) where employees will be working	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Cold Weather condicions	employees exposed to cold wether conditions while performing tasks	Safety	Shivering, frost bites, Cold&Flue	Wear weather appropriate clothing i.e thermal work suits, take regular breaks,	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Hot Weather conditions	Employees exposed to hot weather while performing tasks	Safety	Excessive sweating, cramps, dehydration, heat exhaustion and heatstroke.	Employees are expected to take regular breaks and have water on hand to rehydrate. Wear breathable PPE suitable for hot temperatures	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Live Cables	Exposure to live plant, exposed wires, non-isolated plant	Safety	Electric shock that may lead to serious burn injuries and/or fatality	Permit To Work, Required PPE, Usage of correct working tools, Induction training. Observance of life-saving rules and SWP to be in place	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Working at height	Working at elevated position i.e ladders	Safety	Falling from height, injuries i.e. bruises, fractures	Ensure SWP is in place. Risk asseement, two-man rule must apply	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
<b>Installation New DC Boom System at the gate</b>	Moving Vehicles	Motor vehicles bumping into employees while working at the gate	Safety	MVA (first aid and/or medical injuries)	Traffic management by personnel at the gate, barricading/ closure of the lane(s) where employees will be working	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Cold Weather condicions	employees exposed to cold wether conditions while performing tasks	Safety	Shivering, frost bites, Cold&Flue	Wear weather appropriate clothing i.e thermal work suits, take regular breaks,	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
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	Live Cables	Exposure to live plant, exposed wires, non-isolated plant	Safety	Electric shock that may lead to serious burn injuries and/or fatality	Permit To Work, Required PPE, Usage of correct working tools, Induction training. Observance of life-saving rules and SWP to be in place	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Working at height	Working at elevated position i.e ladders	Safety	Falling from height, injuries i.e. bruises, fractures	Ensure SWP is in place. Risk asseement, inspections and two-man rule must apply	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
<b>Replacement of Readers main security office,Control Room Door,SSB Building</b>	working at heights	Working at elevated position i.e ladders/scaffold	Safety	Falling from height, injuries i.e. bruises, fractures	Ensure SWP is in place. Risk asseement, inspections and two-man rule must apply. Where applicable-ensure that life saving rule-hook up at height is adhered to (safety harness to be worn when working at height)	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Live Cables	Exposure to live plant, exposed wires, non-isolated plant	Safety	Electric shock that may lead to serious burn injuries and/or fatality	Permit To Work, Required PPE, Usage of correct working tools, Induction training. Observance of life-saving rules and SWP to be in place	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Tripping hazards i.e. cables	Tripping and falling over	Safety	cuts,bruises, twists and fractures	risk assessment, awareness training site induction. Employees to wear adequate PPE	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Limited working space/uncomfortable positions(Ergonomics)	Working in awkward positions/limited spaces for long periods	Safety	Musculoskeletal disorders, body muscles aches and discomfort	Risk assessment, SWP, awareness and induction training	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
<b>Resetting of Cameras on Perimeter Fence, Main Gate,PV Plant</b>	Stagnant waters (temperary pool of water on the road to the parameter fence)	MV Accidents, Property Damage	Safety	Property Damage, LTI	Drivers to be alert when driving, Avoid driving through stangnant waters	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Coal Dust	Exposure to and contact with Dust emanating from plant areas, inhalation of excessive dust.	Health	Nasal irritation, Eye irritation, Irritation of the respiratory tract that may lead to Lung infection	Required PPE;Awareness training	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations

	Potholes on the road.	Driving over or into potholes, loss of control of vehicle due to road conditions	Safety	Property damage (accident) and injuries to driver, and animals unseen by the driver, LTI	Obey the speed limit on site of 40km/h at all times or otherwise as indicated on the road signs. Valid Driver's licence awareness training and risk assessment	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Working at height	Working at elevated position i.e ladders/scaffold	Safety	Falling from height, injuries i.e. bruises, fractures	Ensure SWP is in place. Risk assessment, inspections and two-man rule must apply. Where applicable-ensure that life saving rule-hook up at height is adhered to (safety harness to be worn when working at height)	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Cold Weather conditions	employees exposed to cold weather conditions while performing tasks	Safety	Shivering, frost bites, Cold&Flue	Wear weather appropriate clothing i.e thermal work suits, take regular breaks,	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Hot Weather conditions	Employees exposed to hot weather while performing tasks	Safety	Excessive sweating, cramps, dehydration, heat exhaustion and heatstroke.	Employees are expected to take regular breaks and have water on hand to rehydrate. Wear breathable PPE suitable for hot temperatures	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Criminal activity	Criminals may rob and/or injure employees	Safety	injuries, fatality	Awareness, Risk assessment and vigilance	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Uneven and/or slippery surfaces	Tripping or slipping and falling over surfaces	Safety	Slipping and/or tripping and falling over causing injuries i.e. twisting ankle, cuts and bruises, fractures.	Required PPE; Awareness training	Partially Effective	Contractor/Client	OHS Act, Applicable Regulations
	Hand tools	Use of defective and incorrect/poorly designed hand tools	Safety	medical injuries (lacerations, cuts), aches and pains due to loose handles or poor design	risk assessment, SWP, tool inspection prior to use and defect process to be followed.	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Live Cables	Exposure to live plant, exposed wires, non-isolated plant	Safety	Electric shock that may lead to serious burn injuries and/or fatality	Permit To Work, Required PPE, Usage of correct working tools, Induction training. Observance of life-saving rules and SWP to be in place	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Portable tools	Use of defective incorrect portable electrical tools	Safety	Electric shock that may lead to serious burn injuries	SWP, risk assessment. Ensure that defective equipment is removed from site. Inspections are conducted and records are kept. Inspection to be conducted by appointed and trained person	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Ergonomics	Working in awkward positions for prolonged periods of time	Safety	Musculoskeletal disorders, body muscles aches and discomfort	Risk assessment, SWP, awareness and induction training	Partially Effective	Contractor/Client	OHS Act, Applicable Regulations
Resetting of Cameras on U1-6	Tripping hazards	Tripping and falling over	Safety	cuts,bruises, twists and fractures	risk assessment, awareness training site induction. Employees to wear adequate PPE	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Dust	Exposure to Dust emanating from plant areas, inhalation of excessive dust.	Health	Nasal irritation, Eye irritation, Irritation of the respiratory tract that may lead to Lung infection	Required PPE- FFP( dust mask);Awareness training	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Noise	Exposure to noise in and around plant areas	Health	Noise Induced Hearing loss	Required PPE (ear protection);Awareness training. Train employees on how to insert and take care of their hearing protection	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Working at height	Working at elevated position i.e ladders/scaffold	Safety	Falling from height, injuries i.e. bruises, fractures	Ensure SWP is in place. Risk assessment, inspections and two-man rule must apply. Where applicable-ensure that life saving rule-hook up at height is adhered to (safety harness to be worn when working at height)	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Limited working space/uncomfortable positions(Ergonomics)	Working in awkward positions/limited spaces for long periods	Safety	Musculoskeletal disorders, body muscles aches and discomfort	Risk assessment, SWP, awareness and induction training	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Tripping hazards	Tripping and falling over	Safety	cuts,bruises, twists and fractures	risk assessment, awareness training site induction. Employees to wear adequate PPE	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations

Resetting of Cameras at Coal Conveyor, Ash Plant	Dust (ash)	Exposure to Dust emanating from plant areas, inhalation of excessive dust.	Health	Nasal irritation, Eye irritation, Irritation of the respiratory tract that may lead to Lung infection	Required PPE;Awareness training	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Noise	Exposure to noise in and around plant areas	Health	Noise Induced Hearing loss	Required PPE;Awareness training	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	working at heights(ladders)	Working at elevated position i.e ladders/scaffold	Safety	Falling from height, injuries i.e. bruises, fractures	Ensure SWP is in place. Risk asseement, inspections and two-man rule must apply. Where applicable-ensure that life saving rule-hook up at height is adhered to (safety harness to be worn when working at height)	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Moving machinery	Entanglement, crushed by, nip and pinch	Safety	Lacerations, pinch wounds/cuts, fractures	Ensure SWP is in place. Condcut Risk asseement, isolation of moving machinery where applicable (permit to work), applicable PPE ust be worn	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Slippery surfaces	slipping and falling over	Safety	cuts,bruises, twists and fractures	risk assessment, awareness training site induction. Employees to wear adequate PPE	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Dust (ash)	Exposure to Dust emanating from plant areas, inhalation of excessive dust.	Health	Nasal irritation, Eye irritation, Irritation of the respiratory tract that may lead to Lung infection	Required PPE (dust mask);Awareness training	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	working at heights(ladders)	Working at elevated position i.e ladders/scaffold	Safety	Falling from height, injuries i.e. bruises, fractures	Ensure SWP is in place. Risk asseement, inspections and two-man rule must apply. Where applicable-ensure that life saving rule-hook up at height is adhered to (safety harness to be worn when working at height)	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
Resetting of Cameras at Stores, Training Centre, SSB	Tripping hazards	Tripping and falling over	Safety	cuts,bruises, twists and fractures	risk assessment, awareness training site induction. Employees to wear adequate PPE	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Walking on stairs	Tripping and falling from one level to another whilst going up and down the stairs	Safety	fractures, cuts	risk assessment, awareness training (3-point contact), site induction. Employees to wear adequate PPE		Contractor/Client	OHS Act, Applicable Regulations
	Tripping hazards	Tripping and falling over	Safety	cuts,bruises, twists and fractures	risk assessment, awareness training site induction. Employees to wear adequate PPE	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
Resetting of Cameras at Gas Turbine	Dust (ash)	Exposure to and contact with Dust emanating from plant areas, inhalation of excessive dust.	Health	Nasal irritation, Eye irritation, Irritation of the respiratory tract that may lead to Lung infection	Required PPE;Awareness training	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Noise	Exposure to noise in and around plant areas	Health	Noise Induced Hearing loss	Required PPE;Awareness training	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	working at heights(ladders)	Working at elevated position i.e ladders/scaffold	Safety	Falling from height, injuries i.e. bruises, fractures	Ensure SWP is in place. Risk asseement, inspections and two-man rule must apply. Where applicable-ensure that life saving rule-hook up at height is adhered to (safety harness to be worn when working at height)	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Uneven and/or slippery surfaces	Tripping or slipping and falling over surfaces	Safety	Slipping and/or tripping and falling over causing injuries i.e. twisting ankle, cuts and bruises, fractures.	Required PPE; Awareness training	Partially Effective	Contractor/Client	OHS Act, Applicable Regulations
	Hand tools	Use of defective and incorrect/poorly designed hand tools	Safety	medical injuries (lacerations, cuts), aches and pains due to loose handles or poor design	risk assessment, SWP, tool inspection prior to use and defect process to be followed.	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
Resetting of Cameras at the Weighbridge	Heavy Moving Machinery	Collison with Heavy Machinery	Safety	minor to serious injuries i.e. cuts, bruises, twisting of ankle/knees/hands.	Full Time Safety officer required when work in areas with heavy machinery.	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Coal Dust	Exposure to Dust emanating from plant areas, inhalation of excessive dust.	Health	Nasal irritation, Eye irritation, Irritation of the respiratory tract that may lead to Lung infection	Required PPE;Awareness training	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Noise	Exposure to noise generated by the trucks	Health	Noise Induced Hearing loss	Required PPE;Awareness training	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations

	Moving machinery	Entanglement, crushed by, nip and pinch	Safety	Lacerations, pinch wounds/cuts, fractures	Ensure SWP is in place. Conduct Risk assessment, isolation of moving machinery where applicable (permit to work), applicable PPE must be worn	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
<b>Resetting of Cameras at Propane Plant</b>	Tripping hazards	Tripping and falling over	Safety	Cuts, bruises, twists and fractures	Risk assessment, awareness training site induction. Employees to wear adequate PPE	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Dust (ash)	Exposure to and contact with Dust emanating from plant areas, inhalation of excessive dust.	Health	Nasal irritation, Eye irritation, Irritation of the respiratory tract that may lead to Lung infection	Required PPE; Awareness training	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Noise	Exposure to noise in and around plant areas	Health	Noise Induced Hearing loss	Required PPE; Awareness training	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations
	Uneven and/or slippery surfaces	Tripping or slipping and falling over surfaces	Safety	Slipping and/or tripping and falling over causing injuries i.e. twisting ankle, cuts and bruises, fractures.	Required PPE; Awareness training	Partially Effective	Contractor/Client	OHS Act, Applicable Regulations
	Hand tools	Use of defective and incorrect/poorly designed hand tools	Safety	Medical injuries (lacerations, cuts), aches and pains due to loose handles or poor design	Risk assessment, SWP, tool inspection prior to use and defect process to be followed.	Mostly Effective	Contractor/Client	OHS Act, Applicable Regulations