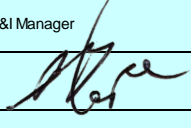


Project Baseline Risk Assessment for WTP Industrial and Portable Stream Recovery

Occupational Health and Safety Baseline risk assessment template							
Business/Operating Unit:	Kendal Power Station			Scope of Work: WTP Industrial and Potable Stream Recovery for Kendal Power Station		Next Review Date (every 2 years): N/A	Template identifier: 240-70044602
Date:	22-Nov-21			Authorised by:	Name: Lambert Maree	Document identifier	
					Designation: C&I Manager	Revision number:	3
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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: - <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)  <b>Elimination</b> <b>Substitution</b> <b>Engineering controls</b> <b>Administrative controls</b> <b>Personal protective equipment (PPE)</b>	Person allocated the responsibility for implementing the agreed controls	Where relevant, list the relevant legislative and or Eskom requirements that prescribe the control.
Driving into the station and offsite	Road conditions curves, road construction, road works, bends, steep heels, rail crossings, pedestrians, stray animals, extreme weather conditions	Unfavourable road conditions, curves, road construction, road works, bends, steep heels, rail crossings causing loss of control of the vehicle, reckless & negligence driving	Safety	Vehicle accidents which will result in multiple injuries and/or fatalities as well as property damage.	Awareness during SHEQ meetings/ tool box talks/ lessons learned/ road safety campaigns/ Driver risk evaluation/Defensive & advance driving training. Pre inspections, Trip Risk Assessment	Site Manager/Supervisor	Road traffic act, OHS Act. Vehicle Safety 240-69946.
	Covid19	Coming into contact with someone who is infected with covid, failure to observe covid19 regulation, failure to wear face masks	Health	Lung disease and /or fatalities	Maintain 50% load capacity at all times in all vehicles when travelling for Eskom business, ensure the ventilation is maintained by opening windows where applicable practicable, ensure employees wear cloth face masks, provide sanitizers and daily register is available for tracking purposes	Site Manager/Supervisor	Road traffic act, OHS Act. Vehicle Safety 240-69946. Hazardous Biological Agents, COVID-19 regulations
Spares delivery	Acid Fumes	Employees may be exposed to acid fumes from the nearing plants	Health	Respiratory and lung infections and/or eye irritation	Provide the PPE (mandatory sign posted)	Site Manager/Supervisor	OHS Act sec 13, Hazardous Chemical Substance Regulations, Annexure 1, 36
	Use of lifting equipment (fork lifts) where necessary	Employees may be exposed to falling loads, struck by moving machinery	Safety	Fracture, injuries	Fork lift to be operated only by Eskom trained personnel, maintenance of the equipment, hazard awareness and communication during operation	Site Manager/Supervisor	OHS Act sec 13, Environmental Regulations in workplaces, Driven Machinery Regulations
	Manual handling	Lifting of heavy equipment by hands, falling loads	Safety	Back injuries, sprains and strains, soft-tissue injuries to wrists, arms, shoulders, neck or legs.	Mechanical lifting should be used, no lifting by hands should be done. Hazard awareness	Site Manager/Supervisor	OHS Act sec 13, Environmental Regulations in workplaces, Driven Machinery Regulations 18, Work instruction * 1029635, Ergonomics regulations 2019
Fault finding / testing and installation	Noise	Exposure to excessive noise	Health	Noise induced hearing loss	Communication (hazard awareness), Medical surveillance program, hazard awareness, Personal protective (hearing)	Site Manager/Supervisor	OHS Act s8(2)(d), GMR 3, NIHL Reg 3-13, SANS 10083,
	Wet or slippery floor conditions	Slips and fall	Safety	Injury, contusion	Cleaning of plant. Communication (hazard awareness), Guarding/barriers/rails, Training: General Safety, PPE, signage	Site Manager/Supervisor	OHS Act sec 13, Environmental Regulations in workplaces Reg 6
	Hazardous substances (cleaning solvent, acid)	Exposure to Hazardous substance handling of the solvent and acid	Health	Occupational diseases, eye injuries	Communication (hazard awareness), medical surveillance, MSDS training, PPE	Site Manager/Supervisor	HCSR (2-15), OHS Act s8(2)(b,c,d,e), OHS Act s13,
	Stairs	Ascending and Descending Stairs, tripping and falling through defective grating	Safety	Injuries, Fractures	Plant maintenance and defect reporting, Communication (hazard awareness three point contact), notices and signage, Guarding/barriers/rails, PPE	Site Manager/Supervisor	OHS Act s13, OHS Act s8(2)(b,c,d,e,f), GSR 2B,
	Uneven surfaces, gratings, trenches	Slip trip and fall, falling into the trench	Safety	Fracture, injuries, fatality	Plant maintenance, Communication (hazard awareness), Guarding/barriers/rails, Training: General Safety, PPE, signage and notices	Site Manager/Supervisor	OHS Act s13, OHS Act s8(2)(b,c,d,e,f), GMR 3, DMR 2, GSR 2
	Moving machinery	Working on a running plant	Safety	Injuries	PSR, Permit to work (sunction for test), Risk assessment, work done by competent personnel, supervision, effective communication between the affected parties, use of right tool for the job. Hazard awareness, inspection and maintenance of tools. Correct use of PPE	Site Manager/Supervisor	OHS Act sec 8, 13. General Safety Regulations, 2B, General Machinery Regulations, PSR