

Occupational Health and Safety Baseline risk assessment - Service and repairs of Air conditioners, fans and air filtration systems at Peaking plants and offices											
Business/Operating unit:	PEAKING OU							Next Review Date (every 2 years):	Template identifier:		
Date:	2022/10/25		Compiled by: Frikkie Van Loggerenberg Tessi Mpande	Authorised by:	Name: Frikkie Van Loggerenberg		Document 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. Note: 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) Elimination Substitution Engineering controls Administrative controls Personal protective equipment (PPE)	Consequence	Likelihood	Risk Priority Rating	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.
Handtools, Powertools	Dangerous Moving parts	Cuts, bruises	Safety	Medical	Toolbox talks, PPE,Inspection	3	B	III	Fully effective	Site Manager	OHS Act Section 8, 14, GSR 2
	Defective/broken tools	Hand injuries, cuts and bruises , electrical shock	Safety	LTI	PPE, supervision, Tools box talks,routine inspections, visual inspection prior use	4	B	III	Fully effective	Site Manager	OHS Act Section 8, 14, GSR 2
	Exposed to Compressed air	Eye and body injuries	Safety	LTI	Tool box talks,PPE(safety googles) etc	4	B	III	Fully effective	Site Manager	OHS Act Section 8, 14, GSR 2, 3, GMR Schedule D
	Grinding	Cuts,Burns, shocks, grinder blades breakage, vibrations, manual handling, tripping on cables,Entanglement(pedestal grinder)	Safety	LTI	PPE, supervision, Tools box talks, routine inspections,	4	B	III	Fully effective	Site Manager	OHS Act Section 8, 14, GSR 2
	Manual handling	Back, shoulder, neck, foot injuries	Health	LTI	Surveys, toolbox talks, PPE, taking breaks,	4	B	III	Fully effective	Site Manager	OHS Act Section 8, 14, GSR 2, Ergonomic regsErgonomic regs 3,6,7 and 8
	Noise	NIHL, tinnitus	Health	Medical	Medical Surveillance ,Noise Surveys, Ear plugs, NIHL Awareness	3	B	III	Fully effective	Site Manager	OHS Act Section 8, 14, GSR 2, NIHL 3, 4, 5, 6, 7, 8, 9 and 10
	Tools falling from heights	Injuries	Safety	Fatality	Training, Tool box talks, behavouiral observations, risk assessment	5	B	II	Fully effective	Site Manager	OHS Act Section 8, 14, ER 6
	Welding	Burns, flash burns(arc eye), electrical shock, fire	Safety	LTI	PPE, supervision, Tools box talks, routine inspections, hot work monitor, fire fighting equipment	4	B	III	Fully effective	Site Manager	OHS Act Section 8, 14, GSR 2

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Housekeeping	Biological hazardous substance	Contracting hepatitis A or B disease Infections	Health	Medical	PPE, toolbox talks	3	B	III	Fully effective	Site Manager	OHS Act Section 8, 14, GSR 2, ER 6
	Cleaning chemical agents	Skin irritation Eye irritation Nose irritation Chemical burns	Health	Medical	PPE, MSDS's, Toolbox talks	3	B	III	Fully effective	Site Manager	OHS Act Section 8, 14, GSR 2, ER 6
	Stacking and storage	Falling loads	Safety	LTI	Safety stacking and storage in demarcated area, secure stack properly, SWL, competent stacking and storage inspector appointed in writing, Safety boots, safety gloves	4	C	II	Fully effective	Site Manager	OHS Act Section 8, 14, GSR 2, GSR 8
	Wet and slippery surface	Injuries	Safety	LTI	Slipery floor Signs, toolbox talks	4	B	IV	Fully effective	Site Manager	OHS Act Section 8, 14, GSR 2, ER6
Workplace environment and facilities	Abestos containing material	Asbestosis, Mesothelioma, Lung cancer	Health	Fatalities	Extraction fan If an employee or the contractor suspects that they are exposed to asbestos dust, they need to ensure they do not disturb the suspected area or componet, inform the responsible supervisor, manager or Safety rep. Responsible person to conduct the asbestos risk assessment to determine the extent of exposure. Have the asbestos samples taken for test. Have air test conducted and Update the asbestos inventory and communicate to the potential exposed persons. Provide the employees with Tybek overalls, FFP2 dust mask, decontamination area.	6	C	I	Fully effective	Site Manager	Asbestos regulation section 9,34-369 Monitoring of Occupational Hygiene Factors, 240-56031746 Requirements for the safe processing, handling, storing, and phase out of asbestos and asbestos containing material
	Ergonomics	Twisting,bending	Health	LTI	Awareness training, PPE, toolbox talk,be aware of your surroundings, cleaning	4	A	IV	Fully effective	Site Manager	OHS Act Section 8, 14, ER2
	Exposure to COVID-19	Contracting COVID-19	Health	Fatality	Temperature monitoring at the main entrance, no self medicating and over the counter medicaion allowed when developing covid-19 symptoms, only consult the doctor, where social distancing is impossible- wear surgical masks, sanitizers, social distancing of 1.5 meters, adhere to number of people allowed in kitchens or offices displayed on the door, face shields, tripple layered face masks, only 50% vehicle capacity allowed in the vehicle, open windows if necessary	5	C	II	Fully effective	Site Manager	Disaster Management Act 57/2002, Government Gazettee 658, 29 April 2020, 43257, OHS Act Section 8, 9, 14
	Extreme temperatures	Heat stress, dehydration, colds, heat stroke, heat exhaustion	Health	LTI	PPE to be worn, drinking water, medicals, acclamatisation	4	A	IV	Fully effective	Site Manager	OHS Act Section 8, 14, ER2
	Intoxication	Accidents	Safety	Fatalities	Random alcohol testing should anyone appear to be under influence, the tester to wipe with wipes before and after each use	5	C	II	Fully effective	Site Manager	OHS Act section 8, 14, GSR 2A, Substance abuse procedure 32-37
	Moving / rotating machinery	Engulfment, getting caught in or between	Safety	Fatality	Trained employees, valid permit to work and work permit.	5	C	II	Fully effective	Site Manager	OHS Act Section 8, 14,
	Noise	NIHL, tinnitus	Health	Medical	Use of earplugs, NIHL awaremess, toolbox talks, Noise surveys	3	C	II	Fully effective	Site Manager	OHS Act Section 8, 14, ER2
	Pressurised equipment	Bodily injuries, explosion due to hight pressure	Safety	Fatality	Trained employees, valid permit to work and work permit.	5	C	II	Fully effective	Site Manager	OHS Act Section 8, 14, GSR 2, 3, GMR Schedule D
	Slippery/wet floors	Injuries from slip,trip, and falls	Safety	Medical	PPE, toolbox talk,be aware of your surroundings	3	C	II	Fully effective	Site Manager	OHS Act Section 8, 14, ER2
	Snakes	Shock, fever, fainting, breathing difficulties, Snake bite	Safety	Fatality	First aid, ER24,	5	C	II	Fully effective	Site Manager	OHS Act Section 8, 14,
	Wet ,slippery or uneven surfaces	Injuries from slipping on wet floors or uneven surfaces	Safety	LTI	Awareness training, PPE, toolbox talk, be aware of your surroundings, be aware of where you are stepping, clean up spills immediately, toolbox talks	4	B	III	Fully effective	Site Manager	OHS Act Section 8, 14,

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Use of Scaffold,Stairs, Cat ladders	Ascending and Decending of stairs and cat ladders	Slip,trip, and falls	Safety	Fatality	Apply three point contact, ladder inspections, Awareness, Maintenance when necessary, inspect ladder, scaffolding prio use, fall arrest equipement, 3-point chin strap hard hat	5	C	II	Fully effective	Site Manager	OHS Act Section 8, 14, GSR 2 and 6
	Awkward Position, Heavy equipment	Crushing, WRULD	Safety/Health	Fatality	Taking breaks, pre-job brief, two man rule, toolbox talks, Scaffolding inspector and erector training, scaffolding inspection prior use	5	C	II	Fully effective	Site Manager	OHS Act Section 8, 14, GSR 6, CR 16
	Falling objects	Injuries	Safety	Fatality	Tool box talks, behavouiral observations, risk assessment, PPE (3-point chin strap hard hat) are must be dermacated, tools to be secured at all times	5	C	II	Fully effective	Site Manager	OHS Act Section 8, 14, GSR 2,
	Working at heights	Falling from height	Safety	Fatality	Medical survellance,working at height and rescue training, induction training, toolbox talks,Risk Assessment, Work Permit,Ladder training, inspections, safety clearance for working at heights, Life saving rules (hook up at heights), fall protection plan and rescue plan, safety harness, inspect safety harness prior use and monthly inspection, 3-point chin strap hard had	5	C	II	Fully effective	Site Manager	OHS Act Section 8, 14, GSR 6, CR 10, 32-418, GSR 2
Working at heights	Use of ladders	Fall from height	Safety	LTI	Two-man rule to be applied, Hard hat, safety harness, ensure the visual inspection before use.	4	C	II	Fully effective	Site Manager	OHS Act Section 8, 14, GSR 2, 32-418, CR 10
	Use of scaffolding	Fall from height	Safety	LTI	Inspection of scaffolding before working, safety harness to be used at all times, scaffolding supervisor, planned job observations	4	C	II	Fully effective	Site Manager	OHS Act Section 8, 14, GSR 2, 32-418, CR 10, GRS 6