

Business/Operational unit:		Occupational Health and Safety Baseline risk assessment template										Next Review Date (every 12 months):		Template Identifier:		240-7004462							
Peaking Generation - Drakensberg Power Station Drakensberg Blowdown Air Compressor Replacement		Department:		Project Office																			
Date: 14-Nov-24		Prepared by:		Aldin Cloete Nonny Saider Khulekani Moko Lenny Minkala Ziphosizwe Mkhwanazi		Authorised by:		Name: Aldin Cloete Designation: Project Manager Date: 14 November 2024						Version identifier: Revision number: Revision date:		5 30-Apr-27							
Refer to Occupational Health and Safety Risk assessment procedure 32-520																							
List activity	Activity type (Routine/Non-routine)	Hazard nr	Hazard Identification	Risk Nr	Associated risk	Risk type	Cause(s) of the risk	Exposed group/employees	Risk Owner	Exposure patterns	What are the possible consequences?	Existing Controls	Consequence	Likelihood	Risk Priority Rating	Additional Controls or Tasks Aimed at Improving Existing Controls	Monitoring Mechanisms	Control Owner	Legal and Other Requirements	Target Date	Current Status	Integrated Risk Management (IRM)	
Use of hand tools	R	1	Defective/broken tools	RA-01	Hand injuries, cuts and bruises, electrical shock, fractures, lacerations.	Safety	Failure to use correct PPE, inadequate training, unavailability of PPE	Contractors	Contractor's Supervisor	4hr	LTI	Work Packages, Hand tools training, Tools box, safe storage, inspection PPE	4	B	III	Fully effective	None	Behavioural Observations	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) Eskom OHS requirements	N/A	Complete	N/A
Operating a crane	R	2	Lifting new compressors from Machine Hall into lower machine hall	RA-02	Falling load	Safety	Inadequate crane operator training	Contractors	Contractor's Supervisor	3hr	Fatality	Trained operator, Lifting latches inspected, Rigger to alert others when crane is moving, PPE (hard hats, safety tools), Pre-job brief	5	B	II	Fully effective	None	Behavioural Observations	Supervisor/Manager	OHS Act Section 8, 14, EMR 3, GSR 2, Eskom OHS requirements	N/A	Complete	N/A
Cable termination	N	3	Use of hand tools (cable knife, screwdrivers, crimping tools, cutters)	RA-03	Hand injuries, cuts etc.	Safety	Inadequate training	Contractors	Contractor's Supervisor	4hr	Medical	Work packages, hand tool inspections, training, PPE (hand gloves), Pre-job briefs	3	C	II	Fully effective	None	Behavioural Observations	Supervisor/Manager	OHS Act Section 8, 14 and 14(1) Eskom OHS requirements	N/A	Complete	N/A
Installation and Commissioning of compressors	N	4	Lifting new compressors from Machine Hall into lower machine hall	RA-04	Hand and limb injuries, cuts, etc.	Safety	Inadequate training	Contractors	Contractor's Supervisor	4hr	LTI	Training, commissioning procedures, Training before touch (five termination), isolation procedures, etc. (Pre-job brief)	4	C	II	Fully effective	None	Behavioural Observations	Supervisor/Manager	OHS Act Section 8, 14, EMR 3, EMR 4	N/A	Complete	N/A
	N	5	Noise	RA-05	Communication breakdown between Technicians and operators	Health	High level of noise	Contractors	Contractor's Supervisor	8hr	Noise induced hearing loss	Pre-job briefs, meeting prior to execution of work, Commissioning procedures, hearing protection	4	C	II	Fully effective	None	Behavioural Observations	Supervisor/Manager	OHS Act Section 8, 14 and Noise induced hearing loss regulation, Eskom OHS Act Section 8, 14	N/A	Complete	N/A
	N	6	Electricity	RA-06	Electrical shock	Safety	Inadequate training	Contractors	Contractor's Supervisor	4hr	Fatality	Training, commissioning procedures, Training before touch (five termination), Lifting rules, isolation procedures	5	C	II	Fully effective	None	Behavioural Observations	Supervisor/Manager	OHS Act Section 8, 14 Eskom OHS requirements	N/A	Complete	N/A
Clearing	R	7	Wet and slippery surface	RA-07	Slip & Fall	Safety	Impromptu Housekeeping	Contractors	Contractor's Supervisor	8hr	LTI	Periodic housekeeping checks, Slippery floor Signs, Access to spill solid material	4	B	III	Fully effective	None	Behavioural Observations	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) Eskom OHS requirements	N/A	Complete	N/A
Use of A-frame ladders	R	8	Defective ladder	RA-08	Fall from ladder	Safety	Ladder not secured properly, failure to apply 3-point contact	Contractors	Contractor's Supervisor	2hr	LTI	Two Man Rule when using ladder, Ensure to visually inspect the ladder before use, Routine inspection of ladders, clear step hand rails, BSO	4	C	II	Fully effective	None	Behavioural Observations	Supervisor/Manager	OHS Act Section 8 and 14, 32 Eskom OHS requirements	N/A	Complete	N/A
Use of stairs	R	9	Slippery Stairs	RA-09	Tripping and fall	Safety	Failure to use correct PPE, Inadequate training, unavailability of PPE	Contractors	Contractor's Supervisor	2hr	LTI	Apply three point contact, BSO Awareness	4	B	III	Fully effective	None	Behavioural Observations	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) Eskom OHS requirements	N/A	Complete	N/A
Use of lifts	R	10	Lifts static in transit	RA-10	Get stuck or trapped inside, uncontrolled movement, trauma, body parts could get caught between lift door	Safety	Overloading >13	Contractors	Contractor's Supervisor	1hr	LTI	Service of lifts, routine, EAP, Ensure to check doors are properly opened before entering	4	C	II	Fully effective	None	Routine maintenance	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	N/A	Complete	N/A
Working with mobile equipment	R	11	Loading and offloading equipment	RA-11	Equipment falling on staff, Mechanical failure	Safety	Failure to use correct PPE, Inadequate mobile equipment training, Incorrect lifting technique	Contractors	Contractor's Supervisor	3hr	LTI	Training and apprenticeships, Inspections, Site conditions/capacity checks/SWL, pre-job brief, Observations, PPE	4	C	II	Fully effective	None	Behavioural Observations	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) Eskom OHS requirements Machinery Drive-in Regulations (MGR) 18	N/A	Complete	N/A
Lifting	R	12	Lifting heavy equipment	RA-12	Strained back, Back injury	Safety	Inadequate lifting technique	Contractors	Contractor's Supervisor	3hr	LTI	Training and apprenticeships/capacity checks/ SWL, pre-job brief, Observations, PPE	4	C	II	Fully effective	None	Behavioural Observations	Supervisor/Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) Eskom OHS requirements	N/A	Complete	N/A