| | | | | | | | | | | Occupational H | ealth and Safety Baseline | risk assessment template | | | | | | | | | | | |
|--|--|--------------|--|------------|--|---------------------|--|--|--|--|--|--|---|-----------|---------------------|--|--|--|--|---|---|---|--|
| Business/Operating unit: | Peaking Generation - Drakensberg Power Station Drakensberg Blowdown Air Compressor Replacement Department: | | | | | | | | | Project Office | | | | | | | | | | Next Review Date (every 2 years): | | Template identifier: | 240-70044 |
| Date | Prepared b | | | | | | | | : Aldrin Cloete Monwyn Saulse Khulekani Mtolo Leroy Mntaka Ziphozorike Mkhwanazi | | Auth | horised by | by: Name: Aldrin Cloete Designation: Project Manager Date: 14 November 2024 | | | | | | | identifier Revision number: Revision date: | 30-Api | | |
| | | | | | | | | Refer to Occupational Health and Safety Risk a | | 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 | | | P | | 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) reference number |
| List specific activities to be performed taking into consideration the equipment to ze 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 | What causes the risk to come into effect? | | 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. | 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 sumediate impact of the risk occurring) Elimination Substitution | Consequence | Likelhood | Risk Priority Ratir | RCE Risk Control Effectivenes s | 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 | 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 (if applicable) | Where relevant, list the relevant legislative and or Eskom requirements that prescribe the control. | Once a date has been agreed to, this can not be changed (if applicable) | Pending, In Progress, Complete (if applicable) | Where applicable, add If system reference numb for tracking of treatmer actions. (applicable to risks that have an impact on busin objectives or require intervention from Senior Executive managemer such as impementing me engineering projects as |
| Jse of handtools | R | | Defective/broken tools | RA-01 | Hand injuries, cuts and bruises , electrical shock, fractures, Injuries, | Safety | Failure to use correct PPE Inadequate training Unavailability of PPE | Contractors | Contractor's Supervisor | 4hr | LTI | Work Packages, Hand tools training, Tools box talks,routine inspections PPE | 4 | В | ш | 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 | | 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 tackles inspected, Rigge to alert others when crane is moving, PPE (hard hats, safety boots), Pre-job brief | 5 | В | п | Fully effective | None | Behaviloural Observations | Supervisor/Manager | OHS Act Section 8, 14, DMR 18, GSR 2, Eskom OHS | N/A | Complete | N/A |
| Cable termination | N | | Use of handtools (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 | С | п | Fully effective | None | Behavioural Observations | Supervisor/Manager | OHS Act Section 8, 14, and its regulations Eskom OHS requirements | N/A | Complete | N/A |
| nstallation and Commisioning of compressors | N | | Lifting new compressors from Machine Hall into lower machine hall | RA-04 | Hand and limb injuries, cuts, | Safety | Inadequate training | Contractors | Contractor's Supervisor | 4hr | LTI | Training, commissioning procedures, Testing equipment before touch (live termination), isolatic procedures, arc flash overall: | or 4 | С | п | Fully effective | None | Behavioural Observations | Supervisor/Manager | OHS Act Section 8, 14, EMR 3, EMR 4 | N/A | Complete | N/A |
| | N | | Noise | RA-05 | Communication breakdown between Techinicians 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 Commisioning procedure, hearing protection | 4 | С | п | Fully effective | None | Behavioural Observations | Supervisor/Manager | OHS Act Section 8, 14 & Noice induced hearing loss regulation, Eskom OHS Act Section 8, 14 | N/A | Complete | N/A |
| | N | | Electricity | RA-06 | Electrical shock | Safety | Inadequate training | Contractors | Contractor's Supervisor | 4hr | Fatality | Training, commissioning procedures, Testing equipment before touch (live termination), Life- saving rules, isolation procedures | 5 | С | п | Fully effective | None | Behavioural Observations | Supervisor/Manager | Eskom OHS requirements Occupational Health and | N/A | Complete | N/A |
| Cleaning | R | , | Wet and slippery surface | RA-07 | Slip & Fall | Safety | Improper Housekeeping | Contractors | Contractor's Supervisor | 8hr | LTI | Periodic housekeeping checks, Slipery floor Sign Access to Spill sob/ material | 4 | В | ш | Fully effective | None | Behavioural Observations | Supervisor/Manager | Safety Act, 1993 (Act No. 85 of 1993) Eskom OHS requirements | N/A | Complete | N/A |
| Jse of A-frame ladders | R | | Defective ladder | RA-09 | 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, chin strap had hats, BSO | 4 | С | п | Fully effective | None | Behavioural Observations | Supervisor/Manager | GSR 13Å, GSR 2, OHS Act Section 8 and 14, 32 418 Eskom OHS requirements | N/A | Complete | N/A |
| lse of stairs | R | | Silppery Stairs | RA-10 | Trip/slip 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 | В | | 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 |
| Jse of lifts | R | | Lifts stalls in transit | RA-12 | Get stuck or trapped inside, unconsciousness, trauma, Body parts could get caucht between lift doors | Safety | Overloading >13 | Contractors | Contractor's Supervisor | 1hr | LTI | Service of lifts, routine, EAP, Ensure to check doors are properly opened before entering | 4 | С | п | Fully effective | None | Routine maintenance | Supervisor/Manager | Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) | N/A | Complete | N/A |
| Vorking with mobile equipment | R | | Loading and offloading equipment | RA-13 | 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 appointments, Inspections, Site conditions, capacity checkel SWL, pre-job brief, Observations, PPE | 4 | С | ıı | Fully effective | None | Behavioural Observations | Supervisor/Manager | Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) Eskom OHS requirements Machinery Driven Regulations (MDR) 18. | N/A | Complete | N/A |
| ifting | R | | Lifting heavy equipment | RA-13 | Strained back, Back injury | Safety | Inadequate lifting technique | Contractors | Contractor's Supervisor | 3hr | LTI | Training and appointments, capacity checks/ SWL pre-job brief, Observations, PPE | L 4 | С | п | Fully effective | None | Behavioural Observations | Supervisor/Manager | Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) Eskom OHS | N/A | Complete | N/A |