

| Occupational Health and Safety Baseline risk assessment template   |  |   |                  |  |  |  |   |  |  |
|--|--|---|------------------|--|--|--|---|--|--|
| Business/Operating unit:   | Kendal Power Station Load Testing of Cranes and Electric Hoist                               |   |                  |  |  | Next Review Date (every 2 years):  | Template identifier:  |  |  |
| Date: 05.10.2021   |  |   |                  |  |  | Authorised by:   |   |  |  |
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|  |  |   |                  |  |  | Revision date:   | 31-May-24   |  |  |
| 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?   | <p>Include:</p> <ul style="list-style-type: none"> <li>- Preventative Controls (controls implemented to eliminate hazards or reduce the likelihood of the risk occurring), and</li> <li>- Reactive Controls (controls implemented to reduce the immediate impact of the risk occurring)</li> </ul> <p><b>Elimination</b><br/> <b>Substitution</b><br/> <b>Engineering controls</b><br/> <b>Administrative controls</b><br/> <b>Personal protective equipment (PPE)</b></p> | Person allocated the responsibility for implementing the agreed controls | Where relevant, list the relevant legislative and or Eskom requirements that prescribe the control. |  |  |
| Load testing on Cranes & Electric hoists   | Noise  | Exposure to noise   | Health           | Noise induced hearing loss   | Communication (hazard awareness), Medical surveillance program, Training: General Safety, PPE (hearing protection)   | Manager  | OHS act, NIHl Reg 3-13, SANS 10083, procedure 32-136  |  |  |
|  | Dust   | contact with and inhalation of Ash & Coal dustt   | Health           | Nasal irritation, Occupational disease, Respiratory disease & silicosis. Skin contact may cause acute irritation on the skin i.e skin rash | Communication (hazard awareness), dust supresion, Dust surveys,medical surveillance,Training: General Safety, PPE, Toolbox talk  | Manager  | OHS act, procedure 32-136   |  |  |
|  | Illumination   | Exposure to poor illuminated areas  | safety           | Slip, rip and fall Injuries, eye strain  | Illumination survey, Communication (hazard awareness), use of portable lights  | Manager  | OHS act, procedure 32-136   |  |  |
|  | Stairs   | Ascending and Descending Stairs, tripping and falling through defective grating             | Safety           | Injuries, Fractures  | Communication (hazard awareness three point contact ), notices and signage, Guarding/barriers/rails  | Manager  | OHS act, procedure 32-136   |  |  |
|  | Uneven surfaces, gratings, trenches  | Slip, trip and fall, falling into the trench  | Safety           | Fracture, injuries, fatality   | Communication (hazard awareness),Guarding/barriers/rails ,Training: General Safety,PPE, Signage and notices  | Manager  | OHS act, procedure 32-136   |  |  |
|  | Falling objects  | Employees struck by falling objects   | Safety           | head and body injuries   | PPE (Helmet), Pre task risk assesment, compliance to safe working procedures, On job training and awareness, Barricading and signage   | Manager  | OHS act   |  |  |
| Testing  | Incorrect use of working tools   | Exposure to Pinch points and cuts as well as struck by the beam                             | Safety           | hand and body injuries   | Use of right tool for the job, Awareness training, inspection and maintenance of tools, Correct use of PPE   | Manager  | OHS act   |  |  |
| Lifting & Rigging  | Rigging Weights  | Load dropping, Crane Collapse   | Safety           | Fatality and major injuries  | Eskom and Contractor's induction, Site inspections and observations, Use of well maintained and suitable lifting tackle (certified), Training: General Safety, Personal protective   | Manager  | OHS act, procedure 32-136   |  |  |
| Working at heights   | Sub standard Scaffolding; sub standard PPE (safety harness); Loose/unsecured material        | Falling From heights, Structural Collapse & Exposure to insufficient hooking facility       | Safety           | Injuries, fatality   | Eskom and Contractor's induction, Fall protection plan and awarness, Work at height training, Use of correct fall prevention Equipment (PPE) & Compliance to life saving rules   | Manager  | OHS act, Work at height procedure 32-418  |  |  |

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|---------------------------|--|---|--------|---------------------------------------|---|---------|---|
| Transportation of Weights | Improper stacking/securing of loads,uneven loads   | Falling loads   | Safety | Injuries, fatality                    | Inspections and observations, Pre task risk assessment, Communication (hazard awareness), Training: General Safety                                | Manager | OHS act, procedure 32-136                               |
| Loading & Offloading      | Improper stacking and storage, improper lifting equipment , congested working area , unsecured load, heavy loads   | Falling loads, back sprains, swinging loads,  | Safety | Injuries, fatality                    | Training and Awareness , Site inspections and observations, Safe Work Procedures  | Manager | OHS act, procedure 32-136                               |
| Driving                   | Motor Vehicle, Poor Road conditions and Pedestrians  | Injury and property damage  | Safety | Fatality,Property damage and injuries | Provision of common transport, Road safety campaign / awareness, substance abuse programme and Road maintenance                                   | Manager | SHE Specification, National Traffic Act                 |
| Contracting Covid-19      | Overloaded employees vehicles, Non-compliance with COVID19 guideline, Sharing of facilities and hand tools, Failure to use or to provide disinfectants, Virus contaminated | Employees could be infected with COVID19 virus, Could be arrested or fined, Contracting COVID19 virus/death/ severe illness | Health | Severe illness, fatality              | Social distancing (2m)<br>Correct PPE to be worn<br>Sanitize regularly<br>Wash hands with soap and water<br>Correct coughing / sneezing practices | Manager | South African Covid-19 guidelines, NICD, WHO guidelines |
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