## Occupational Health and Safety Baseline risk assessment template

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|---|---|---|---|---|---|---|---|
| **Business/Operating unit:** | Lethabo Power Station Scope of Work:HORTICULTURE SERVICE | **Department:** | Services | **Next Review Date (every 2 years):** | | **Template identifier:** | 240-70044602 |
| **Date:** | 23/06/2026 | **Prepared by:** | S. Michali | **Authorised by:** | Name: Connie Mphahlele<br>Designation: Officer Properties<br>Date:23 June 2026 | **Document identifier** | 240-70044602 |
| | | | | | | **Revision number:** | 5 |
| | | | | | | **Revision date:** | 30-Apr-27 |

### Supply and delivery of ABB spares for five-year period for Stock Replenishment

| *List activity* | *Activity type (Routine/Non-routine)* | *Hazard Identification* | *Associated risk* | *Risk type* | *Cause(s) of the risk* | *Exposed group/employees* | *Risk Owner* | *Exposure patterns* | *What are the possible consequence s?* | *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) reference number* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| List specific activities to be performed, taking into consideration the equipment to be used, the personnel involved in the task | **Indicate R or N:**<br>1) Routine activities and tasks that create hazards through day-to-day operational and normal work activities.<br>2) Non-routine activities and situations such as maintenance, | Anything with potential to cause of harm.<br>**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 exposed to the hazard i.e. visitors, members of the public, etc. | Who is accountable for ensuring that as controls and monitors are:<br>- In place,<br>- implemented,<br>- regularly reviewed for effectiveness. | The frequency and duration the person/group is exposed to the hazard e.g. Daily for 2 hrs. | Consider the worse case scenario without controls? | Include:<br>Preventative Controls<br>(controls implemented to eliminate hazards or reduce the likelihood of the risk occurring), and<br>Reactive Controls,<br>(controls implemented to reduce the immediate impact of the risk occurring)<br>**Elimination**<br>**Substitution**<br>**Engineering controls**<br>**Administrative controls**<br>**Personal protective equipment (PPE)** | | | | Include:<br>Preventative Controls<br>(controls implemented to eliminate hazards or reduce the likelihood of the risk occurring), and<br>Reactive Controls,<br>(controls implemented to reduce the immediate impact of the risk occurring)<br>**Elimination**<br>**Substitution**<br>**Engineering controls**<br>**Administrative controls**<br>**Personal protective equipment (PPE)**<br><br>***NB: The risk shall be evaluated, assessed and rated again*** | How we know if we are succeeding. Include comments on effectiveness.<br>This may include: Audits, measurements, inspections, supervision where necessary. | Person allocated the responsibility for implementing the agreed controls(if applicable) | Where relevant, list the relevant legislative and 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 IRM system reference number for tracking of mitigation actions applicable to risks that have an impact on business objectives or require intervention from Senior or Executive management such as implementing major engineering projects as a control. |
| Driving | R | Animals on the road | Motor vehicle Accident | Safety | Animals on the road | Contractor & Members of the public | Project Manager | Daily for 2Hrs. | Fatality | Engineering Control:Adherence to vehicle maintenance plan & Road worthy vehicle<br>Administrative: Safety awareness, Fatigue management, Defensive Driving Training, Speeding on same road every time, Eskom Driver | 5 | C | E | **Fully effective** | No additional controls have been identified at this stage | Inspections | Managers | OHSAct 8 & 14, National Road Traffic Act 93 of 1996 | | | N/A |
| Driving | R | Bad road conditions | Motor vehicle Accident | Safety | Bad road conditions | Contractor & Members of the public | Project Managers | Daily for 2Hrs. | Fatality | passenger,Adherence to speed limit<br>Engineering: Adherence to vehicle maintenance plan & road worthy vehicle<br>Administrative: Safety awareness, vehicle inspection, adherence to road signs, Travelling **at night** | 5 | C | E | **Fully effective** | No additional controls have been identified at this stage | Awareness | Managers | OHSAct 8 & 14,National Road Traffic Act 93 of 1996 | | | N/A |
| Driving | R | Speeding | Motor vehicle Accident | Safety | Speeding | Contractor & Members of the public | Project Manager | Daily for 2Hrs. | Fatality | Engineering: Adherence to vehicle maintenance plan & road worthy vehicle, on board computer speed control,<br>Administrative: Safety awareness, vehicle inspection, adherence to road signs, Travelling **at night** | 5 | C | E | **Fully effective** | No additional controls have been identified at this stage | Awareness | Managers | OHSAct 8 & 14,National Road Traffic Act 93 of 1996 | | | N/A |
| Driving | R | Rural/dangerous roads | High jacking -Fatality | Safety | Rural/dangerous roads | Contractor & Members of the public | Project Managers | Daily for 2Hrs. | Fatality | Engineering: Emergency panic button,Administrative: safety awareness, travelling risk assessment, | 5 | C | E | **Fully effective** | No additional controls have been identified at this stage | Awareness | Managers | OHSAct 8 & 14,National Road Traffic Act 93 of 1996 | | | N/A |
| Driving | R | Rural/dangerous roads | High jacking | Safety | Rural/dangerous roads | Contractor & Members of the public | Project Managers | Daily for 2Hrs. | Post traumatic stress | Engineering: Emergency panic button,Administrative: safety awareness, travelling risk assessment, | 3 | C | B | **Fully effective** | No additional controls have been identified at this stage | Awareness | Managers | OHSAct 8 & 14,National Road Traffic Act 93 of 1996 | | | N/A |
| General Activities | R | Uneven road/floor surfaces | Trip and fall | Safety | Uneven road/floor surfaces | Contractor | Project Managers | Daily for 2Hrs. | Injury | Administrative: Being careful of your surrounding, Don't text and walk, Adherence to Warning Signs | 4 | C | E | **Fully effective** | No additional controls have been identified at this stage | Inspections | Managers | OHSAct 8 & 14 | | | N/A |
| General Activities | R | Slippery floor & uneven surfaces | Slip and fall | Safety | Slipperfloor & uneven surfaces | Contractor | Project Managers | Daily for 2Hrs. | Injury | Administrative: Being careful of your surrounding, Don't text and walk, Adherence to Warning Signs | 4 | C | E | **Fully effective** | No additional controls have been identified at this stage | Inspections | Managers | OHSAct 8 & 14 | | | N/A |
| General Activities | N | Working under pressure/long hours | Psychological stress & Fatigue | Safety | Working under pressure/long hours | Contractor | Project Managers | Daily for 2Hrs. | Fatality | Administrative Driver Competency, Training on fatigue management and good work planning | 5 | C | E | **Fully effective** | No additional controls have been identified at this stage | Supervision | Managers | OHSAct 8 & 14,National Road Traffic Act 93 of 1996 | | | N/A |
| General Activities | N | Climbing stairs without having three point contact. | Falling - injury | Safety | Climbing stairs without having three point contact. | Employees | Project Managers | Daily for 2Hrs. | Injury | Engineering: Installed handrails,Administrative: Application of 3 point contact whenever using stairs,Training/awareness, | 4 | C | E | **Fully effective** | No additional controls have been identified at this stage | Observations | Managers | OHSAct 8 & 14,GSR 108, National Road Traffic Act 93 of 1996 | | | N/A |
| General Activities | N | Use of cell phone while driving | Accident - fatality | Safety | Use of cell phone while driving | Contractor & Members of the public | Project Managers | Daily for 2Hrs. | Fatality | Engineering: Installed Hands-Free Device,Administrative: The use of the device while driving, Training/ Awareness Adherence to RICS Principle | 5 | C | E | **Fully effective** | No additional controls have been identified at this stage | Observations | Managers | OHSAct 8 & 14Eskom Life saving rules | | | N/A |

| Consequence rating |
| --- |
| |
| 1 |
| 2 |
| 3 |
| 4 |
| 5 |
| 6 |

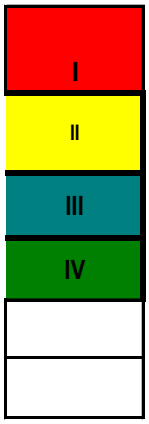
## Consequence criteria

| Description |
| --- |
| **Health and Safety** |
| No injuries or health effects(near misses) |
| First-aid treatment case,  and temporary discomfort case |
| Medical treatment case; occupational disease with reversible/non-permanent effect |
| Lost Time Injury. Irreversible health effects/occupational disease with permanent consequence |
| Fatality or life threatening health effects |
| Multiple fatalities |

| Consequences | | | | |
|---|---|---|---|---|
| | 6 | III | II | I |
| | 5 | III | II | II |
| | 4 | IV | III | II |
| | 3 | IV | III | II |
| | 2 | IV | IV | III |
| | 1 | IV | IV | III |
| | | A | B | C |
| | | Likelihood | | |

| | | | | |
|---|---|---|---|---|
| R | Safety | 1 | A | Fully effective |
| N | Health | 2 | B | Mostly effective |
| | | 3 | C | Mostly ineffectiv |
| | | 4 | D | None |
| | | 5 | E | |
| | | 6 | | |

| | |
|---|---|
| I | I |
| I | I |
| I | I |
| II | I |
| II | II |
| III | III |
| *D* | *E* |


I
II
III
IV

## Likelihc

| Score | Descriptor | Safety |
|---|---|---|
| | | |
| **A** | Highly unlikely | ▪ More than a “100 year event”<br>▪ Exceptionally unlikely, even in the long-term future<br>▪ < 5% probability. |
| **B** | Unlikely | ▪ Could occur in “years to decades”<br>▪ May occur but not anticipated<br>▪ ≥ 5% and < 20% probability. |
| **C** | Possible | ▪ Could occur within “months to years”<br>▪ May occur shortly but a distinct probability it will not, or ≥ 20% and < 70% probability. |
| **D** | Likely | ▪ Could occur within “weeks to months”<br>▪ Balance of probability will occur<br>▪ ≥ 70% and < 90% probability. |
| **E** | Unavoidable | ▪ Could occur within “days to weeks”<br>▪ Impact is imminent<br>▪ ≥ 90% probability. |

## ood criteria

| Occupational hygiene | |
|---|---|
| **Exposure** | **Probability of exceeding OEL** |
| Rare (once a year) | No exposure (or exposure < 10% of OEL) |
| Short periods of time, a few times per day/ intermittent (once in six months, three months, or a month) | Low exposure (< 50% of OEL) |
| Continuous for between one and two hours (often/ weekly) | Moderate exposure (chronic exposure > 50% of OEL or acute exposure ≥ OEL) |
| Continuous for between two and four hours (frequent/daily) | High exposure (chronic exposure > OEL, or exposure exceeding OEL-STEL) |
| Continuous for eight-hour shift | Very high exposure (chronic exposure > 2 x OEL or exposure exceeding OEL-C) |

## RISK CON

| RCE |
| --- |
| *Fully effective* |
| *Mostly effective* |
| *Mostly ineffective* |
| *None* |

# NTROL EFFECTIVENESS GUIDE

| Guide |
| --- |
| Nothing more to be done except review and monitor the existing controls. Controls are well designed for the risk, are largely preventive and address the root causes. Management believes that they are effective and reliable at all times. Reactive controls only support preventive controls. |
| Most controls are designed correctly and are in place and effective. Some more work to be done to improve operating effectiveness or management has doubts about operational effectiveness and reliability of the controls. |
| While the design of controls may be largely correct in that they treat most of the root causes of the risk, they are not currently operationally very effective. There may be an over-reliance on reactive controls, or some of the controls do not seem correctly designed in that they do not treat root causes. |
| Virtually no credible control. Management has no confidence that any degree of control is being achieved. |

| Consequences | | | |
|---|---|---|---|
| | 6 | I | I |
| | 5 | II | II |
| | 4 | III | III |
| | 3 | IV | III |
| | 2 | IV | IV |
| | 1 | IV | IV |
| | | A | B |

| Priority | Risk ranking | Action r |
|---|---|---|
| I | Very high | |
| II | High | |
| III | Medium | Action required, possibl level. |
| IV | Low | Minor or no action requ |

## RISK MATRIX

| | | |
|---|---|---|
| I | I | I |
| II | I | I |
| II | I | I |
| II | II | I |
| III | II | II |
| III | III | III |
| *C* | *D* | *E* |

Likelihood

| |
|---|
| **equired** |
| |
| |
| ly at administrative |
| ired. |