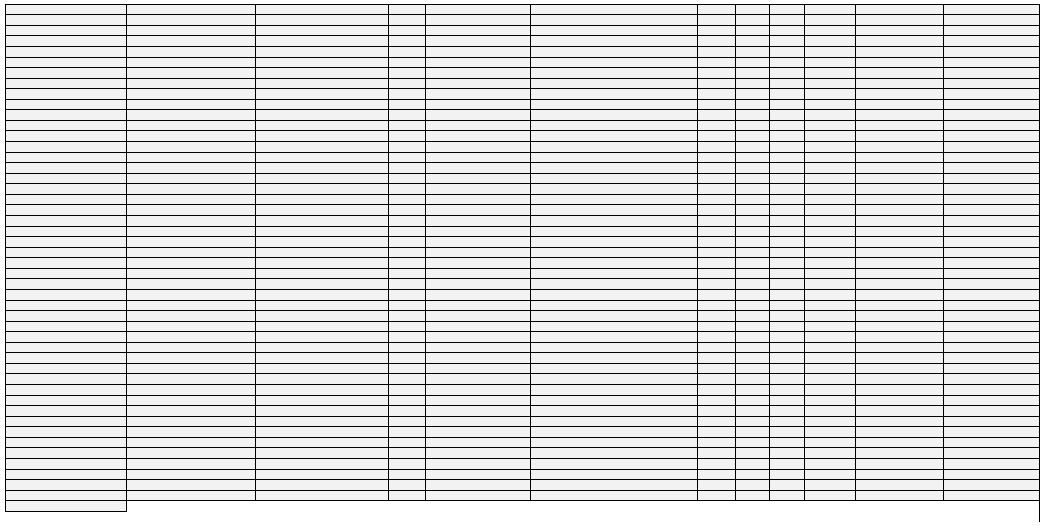
Occupational Health and Safety Baseline risk assessment template

Business/Operating unit:	Majuba Power Station	Department	Fire Risk Management	Next Review Date (every 2 years):	Template identifier: 240-70044602
Date:	2006/03/26	Prepared by: Tsekere Rasesemola	Authorised by: Name: Buyelwa Stuurman Designation: Manager OH&S Signed: 06.03.2026	Document identifier Revision number: Revision date:	MAJ/627 5 30-Apr-25

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	Consequence	Likelihood	Risk Priority Rating	RCE	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: - 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** **Substitution** **Engineering controls** **Administrative controls** **Personal protective equipment (PPE)**				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.
1.Weather conitions	Cold weather	Hypothermia resulting in liver damage, kidney failure, forstbite resulting in amputation	Health	Irreversible health effects/occupational disease with permanent consequence	Exposure to extreme cold temperatures when working to be limited.Wear PPE, keep warm	4	B	III	**Fully effective**	Line Manager	Physical Agents Regulations 3, 6, 7, 8,9,15, 17, 18., GSR2 (3), ISO 45001:2018 Clause 8.1, Incident Management Procedure 32-95,Physical Agents Regulations 3, 6, 7, 8,9, 16,17, 18,Occupational health and safety Act, 85 of 1993 sec 8 & 14, ,
	Hot weather	Exposure to exessive heat which may leat heat stress, dehydration, lss of orientation or consciousness, and elevated blood pressure	Health	Irreversible health effects/occupational disease with permanent consequence	Keep hydrated, minimize exposre time and stay in shaded areas, wear light clothes	2	B	IV	**Fully effective**	Line Manager	Physical Agents Regulations 3, 6, 7, 8,9,15, 17, 18., GSR2 (3), ISO 45001:2018 Clause 8.1, Incident Management Procedure 32-95,Physical Agents Regulations 3, 6, 7, 8,9, 16,17, 18,Occupational health and safety Act, 85 of 1993 sec 8 & 14,
2.Animal Invation	Dangerous animals, insects and reptiles	Animal attack, Bee stings, insect and snake bites resulting in fatality	Safety	Fatality	Fumigation is carried out. Awareness provided to employees. Report to EOD if dangerous reptiles are spotted, Emergency number is communicated to employees on site.	4	A	II	**Mostly effective**	Line Manager	OHSAct sec 8 and 14. ISO 45001:2018 Clause 8.1, Incident Management Procedure
		Animal attack, Bee stings, insect and snake bites resulting in injuries	Safety	Fatality	Fumigation is carried out. Awareness provided to employees. Report to EOD if dangerous reptiles are spotted, Emergency number is communicated to employees on site.Reporting the exposure to the dangerous animals, insects, etc to EOD so that they can activate the relevant personnel to attend to this	5	A	II	**Mostly effective**	Line Manager	OHSAct sec 8 and 14. ISO 45001:2018 Clause 8.1, Incident Management Procedure 32-95,
3.Noise	Excessive Noise	Excessive noise effects on personnel's hearing resulting in noise induced hearing loss	Safety	Irreversible health effects/occupational disease with permanent consequence	Medical surveilance, Keep spare ear plugs, NIHL programme Plant is demarcated as a noise zone. Hearing protection is provided and used (PPE). Tool box talks are held.	4	B	III	**Mostly effective**	Line Manager	OHSAct sec 8 and 14. ISO 45001:2018 Clause 8.1. Noise exposure regulations 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, Incident Management Procedure 32-95,
4.Driving	Unfavourable weather conditions due to	Motor Vehicle Accidents resulting in fata	Safety	Fatalities	Driver risk evaluation, Awareness during SHEQ meetings/ tool box talks/ lessons learned/ road safety campaigns/	1	D	III	**Mostly effective**	Line Manager	OHS Act sec 14. Vehicle Safety 240-69946. ISO 45001:2018 Clause 8.1, Incident Management Procedure 32-95,National road traffic act 93 of 1996,240-115053509 travelling route risk asssisment, Driver risk profile,driver permits,valid fit for duty certificates, 240-62946386 eskom and driver Safety management Procedure
5. Accessing the workplace	Strike, unrests and protest actions	Attacks and assaults on the employees by strikers/ protesters resulting in major injuries	Safety	Lost Time Injury	Emergency Preparedness contigency plans and discipline plans in place. Awarenesses	1	B	IV	**Mostly effective**	Line Manager	Occupational health and safety Act, 85 of 1993 sec 8 & 14, Incident Management Procedure 32-95, ISO 45001 (8.2), Criminal procedure act 51 of 1977, Criminal Law ammendment act 1997, Public order policing
		Trip and fall incidents resulting in major injuries	Safety	Lost Time Injury	Security personnel directing traffic at the security gate. Employees taking turns in entering/exiting work areas Awarenesses, BSO	1	B	IV	**Mostly effective**	Line Manager	Occupational health and safety Act, 85 of 1993 sec 8 & 14, Incident Management Procedure 32-95, ISO 45001 (8.2), Criminal procedure act 51 of 1977, Criminal Law ammendment act 1997, Public order policing
		Stumpede resulting in fatalities	Safety	Fatalities	Security personnel directing traffic at the security gate. Employees taking turns in entering/exiting work areas Awarenesses, BSO	1	B	IV	**Mostly effective**	Line Manager	safety Act, 85 of 1993 sec 8 & 14, Incident Management Procedure 32-95, ISO
6. Contract Management	Lack of supervision from client	Non-conformance to the Eskom, Legal and other requirements resulting in unlawful conducts/ bridge of requirements that endagers lives	Safety	Fatalities	Issuing of Non-conformances, Toolbox talks, Near miss reporting, BSO Ensure that all employees are inducted before work commence. Health and safety file is audited and approved. Ensure that employees are trained and competed on the scope of work. Conduct regular site inspection and audit. Ensure that toolbox talk and safety meeting are held regularly	6	B	III	**Mostly effective**	Line Manager	OHS Act sec 8, 14, 37(2). ISO 45001:2018 Clause 8.1, Incident Management Procedure 32-95
		Non-conformance to the Eskom, Legal and other requirements resulting in unlawful conducts/ bridge of requirements that can cause damage to property	Safety	No injuries (Damage to property)	Ensure that all employees are inducted before work commence. Health and safety file is audited and approved. Ensure that employees are trained and competed on the scope of work. Conduct regular site inspection and audit. Ensure that toolbox talk and safety meeting are held regularly Issuing of Non-conformances, Toolbox talks, Near miss reporting, BSO	1	B	IV	**Mostly effective**	Line Manager	OHS Act sec 8, 14, 37(2). ISO 45001:2018 Clause 8.1, Incident Management Procedure 32-95
	Lack of safety file audits and inspections by client	Non-conformance to the Eskom, Legal and other requirements resulting in	Safety	fatalities	Ensure that all employees are inducted before work commence. Health and safety file is audited	6	B	II	**Mostly effective**	Line Manager	OHS Act sec 8, 14, 37(2). ISO 45001:2018 Clause
		Non-conformance to the Eskom, Legal and other requirements resulting in unlawful conducts/ bridge of requirements that can cause damage to property	Safety	Damage to property	Health and safety file is audited and approved. Ensure that employees are trained and competed on the scope of work. Conduct regular site inspection and audit. Ensure that toolbox talk and safety meeting are held regularly Issuing of Non-conformances, Toolbox talks, Near miss reporting, BSO	1	B	IV	**Mostly effective**	Line Manager	OHS Act sec 8, 14, 37(2). ISO 45001:2018 Clause 8.1, Incident Management Procedure 32-95

R	Safety	1	A	Fully effective	I
N	Health	2	B	Mostly effective	II
		3	C	Mostly ineffective	III
		5	E		
		6			

	Exposure to coal dust	Inhalation of coal dust which may lead lung infection/disease	Health	Irreversible health effects/occupational disease with permanent consequence	Dust suppression systems, Industrial cleaning and wear correct PPE (i.e., dust mask)	1	C	≡	**Mostly effective**	Line Manager	Physical Agents Regulations 3, 6, 7, 8,9,15, 17, 18., GSR2 (3), ISO 45001:2018 Clause 8.1, Incident Management Procedure 32-95,Physical Agents Regulations 3, 6, 7, 8,9, 16,17, 18,Occupational health and safety Act, 85 of 1993 sec 8 & 14,
7.Dust	Exposure to ash dust	Inhalation of ash dust which may lead lung infection/disease	Health	Irreversible health effects/occupational disease with permanent consequence	Dust suppression systems, Industrial cleaning and wear correct PPE (i.e., dust mask)	1	C	≡	**Mostly effective**	Line Manager	Physical Agents Regulations 3, 6, 7, 8,9,15, 17, 18., GSR2 (3), ISO 45001:2018 Clause 8.1, Incident Management Procedure 32-95,Physical Agents Regulations 3, 6, 7, 8,9, 16,17, 18,Occupational health and safety Act, 85 of 1993 sec 8 & 14,