

Occupational Health and Safety Baseline risk assessment template																							
Business/O perating unit:	Ankerlig Power Station								Department:	Overhauling of Pumps							Next Review Date (every 2 years):				Template identifier:	240- 70044602	
Date:	12/02/2025								Prepared by:	Pumi Tengani		Authorised by:		Name: Odwa Mqeke						Document identifier			
												Designation: Contracts Manager			Revision number:	5							
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Refer to Occupational Health and Safety Risk assessment procedure 32-520																							
List activity	Activity type (Routine/Non-routine)	Hazar d 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				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 1. Routine activities and situations create hazards through day-to- day operations and normal work activities; 2. Non-routine activities and situations are occasional or unplanned;	#	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 exposed to the hazard i.e. visitors, members of the public, etc.	Who is accountable for making sure the controls and monitors are: - in place, - implemented, - regularly reviewed for effectiveness.	The frequency and duration the person/gro up 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 immediate impact of the risk occurring) Elimination Substitution Engineering controls Administrative controls Personal protective equipment (PPE)	Consequence	Likelihood	Risk Priority Rating	RCE Risk Control Effectiveness s	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) NB: The risk shall be evaluated, assessed and rated again once additional controls have	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	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	Pending, In Progress, Complete	Where applicable, add IRM system reference number for tracking of treatment actions.
Overhauling of Pumps	N	1	Hand Tools	1	Use of defective /broken tools	Safety	Not wearing PPE, incorrect methods of use, excessive use of equipment and tools, lack of continuous risk assessment, inadequate inspections	Contractor/Eskom Employees	Manager/Supervisor/ Project Coordinator	45days/ unit	Hand injuries, cuts and bruises , electrical shock, fractures, incidents which could lead to loss time	PPE,supervision, Tools box talks,routine inspections	4	A	III	Fully effective	Maintain existing controls	Inspections, incident records	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	n/a	n/a	n/a
		2	Dust	1	Dust into eyes	Safety	Not using PPE, lack of risk assessment, lack of training, Operation of the machine	Contractor/Eskom Employees	Manager/Supervisor/ Project Coordinator	45days/ unit	Eyes infection and eye injuries	Googles, PPE, supervision and medical surveillance	4	B	III	Fully effective	Maintain existing controls	Inspections, incident records	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	n/a	n/a	n/a
		3	Heavy Objects	1	Incorrect lifting/Hand lifting heavy objects from the ground level to stack	Safety	Being struck by an object/incorrect lifting technique	Contractor/Eskom Employees	Manager/Supervisor/ Project Coordinator	45days/ unit	Back injuries,being struck by the falling object	Supervision, toolbox talks, PPE, taking breaks,	4	B	III	Fully effective	Maintain existing controls	Inspections, incident records	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	n/a	n/a	n/a
		4	Loading and offloading equipment	1	Equipment falling on staff, other equipment	Safety	Capacity not checked, Inadequate inspection of lifting equipment	Contractor/Eskom Employees	Manager/Supervisor/ Project Coordinator	45days/ unit	Crushing, property damage, serious head injuries	Training and appointments, Inspections, PPE, Site conditions.capacity checks, pre-job brief, Observations	4	B	III	Fully effective	Maintain existing controls	Incident records, ispections,Beha vioural observation	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	n/a	n/a	n/a
		5	Snakes,spiders and bees	1	exposure to snakes,spiders and bees	Safety	snake,spiders and bees found at the area of work	Contractor/Eskom Employees	Manager/Supervisor/ Project Coordinator	45days/ unit	Shock, fever, fainting, rapid pulse and breathing difficulties and fatality.	Awareness training, PPE, toolbox talk, be aware of your surroundings.appointed snake handler on site	3	B	III	Fully effective	Maintain existing controls	Incident reports	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	n/a	n/a	n/a
		6	Wet ,slippery or uneven surfaces	1	Slipping and falling	Safety	catladders ,safety boots not gripping enough,lack of focus, Areas where water build up is present	Contractor/Eskom Employees	Manager/Supervisor/ Project Coordinator	45days/ unit	Head injuries.Back, neck, and spine injuries. Torn tendons and ligaments	PPE to be worn, be aware of where you are stepping, clean up spills immediately, toolbox talks	3	B	III	Fully effective	Maintain existing controls	Incident reports	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	n/a	n/a	n/a
		7	Ergonomics	1	Incorrect posture	Safety	Maneuvering to insert/extract object or equipment	Contractor/Eskom Employees	Manager/Supervisor/ Project Coordinator	45days/ unit	Work related upperlimb disorder, back injuries	Awareness training, toolbox talk	2	C	III	Fully effective	Maintain existing controls	Incident reports	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	n/a	n/a	n/a
		8	Vehicles	1	Speeding	Safety	Driver exceeding speeding limits	Contractor/Eskom Employees	Manager/Supervisor/ Project Coordinator	45days/ unit	collision with other vehicles,striking pedestrians or objects	speed limit signs,induction,awareness,incident recall,toolbox talk	2	B	IV	Fully effective	Maintain existing controls	Driver risk profile,incident records,geotag(employees),co aching	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	n/a	n/a	n/a
		9	Working Heights	1	Falling from heights	Safety	Working at height	Contractor/Eskom Employees	Manager/Supervisor/ Project Coordinator	45days/ unit	Injuries and possible fatalities	Legislation, Eskom Procedures and requirements and training	4	C	III	Mostly effective	Maintain existing controls	Training certificate, Risk Assessment, Supervision	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	n/a	n/a	n/a
		10	Terrain	1	Uneven surface	Safety	equipment or surface structure not flat	Contractor/Eskom Employees	Manager/Supervisor/ Project Coordinator	45days/ unit	Trip and fall	awareness of surrounding, toolbox talks	3	C	III	Mostly effective	Maintain existing controls	incident reports,risk assessement	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	n/a	n/a	n/a
		11	Construction vehicles	1	Unauthorised use.	Safety	Not having the vehicle under control	Contractor/Eskom Employees	Manager/Supervisor/ Project Coordinator	45days/ unit	collision with other vehicles,striking pedestrians or objects, Falling into hole	Awareness, toolbox talk. Incident recall	2	B	IV	Fully effective	Maintain existing controls	Driver risk profile, training records, incident records,geotag(employees),co aching	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	n/a	n/a	n/a
		12	Electrical contact	1	Electrocution	Safety	Contact with live conductor	Contractor/Eskom Employees	Manager/Supervisor/ Project Coordinator	45days/ unit	Contact with High voltage Overhead lines	Awareness, toolbox talk. Incident recall	4	B	III	Fully effective	Maintain existing controls	Driver risk profile, training records, incident records,coachi ng	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	n/a	n/a	n/a
		13	Psychosocial factors	1	Suicide, Stress, Depression , Bullying, Harrassment	Health	Divorce, Work Pressure, Personal Problems, Financial Issues, Loss of loved one	Contractor	Manager/Supervisor	45days/ unit	Fatality, Poor work performance	Assistant programme	5	B	III	Mostly effective	Training and awareness, employee engagement	Employee engagement	Supervisor/ Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	n/a	n/a	n/a

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