


Occupational Health and Safety Baseline risk assessment template										
Business/Operating unit:	Lethabo Power Station			Re-Tubing of BFPT Condenser Tubes						Next Review Date (every 2 years):
Date: 05-May-22					Authorised by:	Name: Joalane Radebe		Document identifier		
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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			Risk Priority Rating		Control Owner
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)	Consequence	Likelihood		RCE Risk Control Effectiveness	Person allocated the responsibility for implementing the agreed controls
Installation and Comissing of BFPT Condenser Tubes	Noise from plant operations/equipment	Exposure to - noise induced hearing loss	Health	Noise Induced Hearing Loss	Hearing conservation 32-425; Suitable hearing protection e.g. variphones; safety awareness; Health screening, Noise Surveys	4	C	II	Fully effective	Contractor
Installation and Comissing of BFPT Condenser Tubes	Working at heights/elevated platforms	Falling from heights - fatality	Safety	Fall from heights - death/disable; fractures	Risk assessment - procedure 32-520; Working at Heights procedure 32-418 Training; use of correct safety harness, Medical Fitness Certificate	5	C	II	Fully effective	Contractor
Installation and Comissing of BFPT Condenser Tubes	Limited restricted areas.	Bumps and abrasions	Safety	Bruises, Head injuries, LTI	Risk Assessment, Correct PPE	1	C	II	Fully effective	Contractor
Installation and Comissing of BFPT Condenser Tubes	Confined Spaces	Suffocation, Bumps and abrasions	Safety	Injuries, fainting and Respiratory problems	PTW system, Gas Test, Correct PPE, Risk Assessment, Job Rotation, Medical Surveillance	4	C	II	Fully effective	Contractor
Installation and Comissing of BFPT Condenser Tubes	Rotating machinery/mechanical motions	Caught between moving machinery	Safety	Injuries or death	Training, incident recal, Risk assessment, job observations	4	C	II	Fully effective	Contractor
Installation and Comissing of BFPT Condenser Tubes	Slippery floor conditions	Slipping and falling - injury	Safety	Fractures, LTI, Severe injuries	Risk assessment, Toolbox Talks, PPE	5	C	II	Fully effective	Contractor
Comissing of BFPT Condenser Tubes	Pressure parts containing steam, water. High temperature material.	Contact with - thermal burns	Safety	Burn wounds	PTW system, Risk Assessments, Correct PPE,	5	C	II	Fully effective	Contractor
Walking around site	Snakes, monkeys and animals	Animal bites - Laceration wounds	Safety	Injuries/Death	PPE; Snakes and monkeys awareness, Risk assessment	2	C	II	Mostly effective	Contractor
Lifting of heavy equipment	Heavy equipment	Incorrect lifting techniques - back strains	Health	Back Injury	Proper lifting procedure, Risk Assessment, Ergonomics Awareness	3	C	II	Fully effective	Contractor
Lifting of heavy equipment	Heavy equipment	Incorrect lifting techniques - lacerations	Safety	Severe injuries	Proper lifting procedure, Risk Assessment, Ergonomics Awareness	3	C	II	Fully effective	Contractor
Night time travelling to and from site	Lack of rest	Accident - fatality	Safety	Multiple injuries and fatalities	Road safety awareness; Use Safety Belts and Annual medical screening of Drivers, Risk assessment, adhere to Rest Period, Road Worth Vehicles	5	D	I	Fully effective	Contractor
Night time travelling to and from site	Animals on the road	Accident - fatality	Safety	Multiple injuries and fatalities	Road safety awareness; Use Safety Belts and Annual medical screening of Drivers, Risk assessment, adhere to Rest Period, Road Worth Vehicles	5	D	I	Fully effective	Contractor
Travelling to and from site	Bad road conditions	Accident - fatality	Safety	Multiple injuries and fatalities	Road safety awareness; Use Safety Belts and Annual medical screening of Drivers, Risk assessment, adhere to Rest Period, Road Worth Vehicles	5	D	I	Fully effective	Contractor

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