


Occupational Health and Safety Baseline risk assessment- Inspection of overhead cranes (Gantrys)											
Business/Operating unit:	Small Hydros							Next Review Date (every 2 years):		Template Identifier:	
Date:	19/08/2022				Compiled by: Vusi Simelane, Tazeni Mphahlele, Derrick Buthe	Authorized by:		Name: Vusi Simelane	Document Identifier:		
							Designation: Project Manager	Revision number:	0		
							Signed: 	Revision date:	27-May-23		
							Date: 19 August-22				
Refer to Occupational Health and Safety Risk assessment procedure 32-420											
List activity	Hazard Identification	Associated risk	Risk type	What are the possible consequences?	Existing Controls	Consequence	Likelihood	Risk Priority Rating	RCE Risk Control Effectiveness	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 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 worst case scenario without controls?	Include: <u>Organisational Controls</u> (controls implemented to eliminate hazards or reduce the likelihood of the risk occurring); and <u>Behavioural Controls</u> (controls implemented to reduce the immediate impact of the hazard occurring) Elimination Substitution Engineering controls Administrative controls Personal protective equipment (PPE)					Person allocated the responsibility for implementing the agreed controls	Where relevant, list the relevant legislative and/or Eskom requirements that prescribe the control.
Inspection of overhead cranes (Gantrys)	Working at heights	Fall from heights	Safety	Fatality	Trained employees, Eskom supervision mandatory, Adherence to Eskom Life-saving rules, no work will commence unless the Eskom supervision and brief tool box talk, fall protection plan, safety work procedure, ensure they look up at heights with approved safety harness and approve, three-point strap hard hats	5	C	II	Fully effective	Supervisor/Manager	OHS Act Section 8, 14, GSR 2, NHA, 3, 4, 5, 6, 7, 8, 9 and 10
	Noise	NHL, tinnitus	Health	Medical	Medical Surveillance, Noise Surveys, Ear plugs, NHL awareness	3	B	III	Fully effective	Supervisor/Manager	OHS Act Section 8, 14, GSR 2, NHA, 3, 4, 5, 6, 7, 8, 9 and 10
	Exposure to moving machinery	Engulfment	Safety	Fatality	Ensure you are aware of the surroundings, contractor to work under Eskom supervision, toolbox talks	3	B	III	Fully effective	Supervisor/Manager	OHS Act section 8, 14 and Environmental regs for workplace 2, GSR 2
	Machinery operated by unauthorised persons	Rolling and bleeding on uneven could cause the machinery to topple over and cause incidents	Safety	Fatality	Daily risk assessment, supervision, authorised operator	5	C	II	Fully effective	Supervisor/Manager	OHS Act Section 8, 1, 8, 2(i), 14, NHA, Regulations 4.5, 7, 8 and 12
	Working under extreme weather conditions	Hazards to arise due to rain: flooding, hypothermia, hyperthermia, heat stress, heat exhaustion, dehydration, falls	Safety/Health	Medical	Ensure you are aware of the pending weather conditions on site, regular hydration, appropriate PPE, medical surveillance	3	C				
	Tripping over tools left lying on the ground		Safety	Medical	Trained employees, SWP, supervisor, risk assessment, safety boots, maintain good house keeping	3	C	II	Fully effective	Supervisor/Manager	OHS Act Section 8.1 and 8.2(i), 14, GSR 2
	Use of hand tools and lifting test equipments	Hand tools can pinch the hand, Hand tools could slip off hands while working, they could break while employee is using it, Test equipment can fall and fatally injure personal	Safety	Medical	Trained employees, SWP, supervisor, risk assessment, access controls to be implemented, safety gloves and routine tool inspection	5	C	II	Fully effective	Supervisor/Manager	OHS Act Section 8.1 and 8.2(i), 14, GSR 2
	Repetitive use		Health	Medical	Good ergonomic practices, Trained employees, SWP, supervisor, risk assessment, proper PPE	3	C	II	Fully effective	Supervisor/Manager	OHS Act Section 8.1 and 8.2(i), 14, GSR 2
	Manual handling	Back, shoulder, neck, foot injuries	Health	LTI	Surveys, toolbox talks, lifting inserts, proper PPE	4	B	III	Fully effective	Supervisor/Manager	OHS Act Section 8, 14, GSR 2, Ergonomic regulations, regns 3.6, 7 and 8
	Extension leads	Trip and falls, electrocution	Safety	Fatality	Visually inspect leads before use, maintain good housekeeping, trained employees	5	C	II	Fully effective	Supervisor/Manager	OHS Act Section 8.1 and 8.2(i), 14, GSR 2
	Administering first aid	Hepatitis, blood spill	Safety	Fatality	Trained first aider appointed in writing, first aiders to go for hepatitis injection, medical bin, safety gloves	4	B	III	Fully effective	Supervisor/Manager	OHS Act Section 8, 14, GSR 3.4
	Performing work while under influence	Hydries and damage to property	Safety	Fatality	Any one assumed to be under influence will be subject to alcohol test, supervision, random alcohol test, contractor substance abuse policy and procedure, trained alcohol testers with training certificates	5	C	II	Fully effective	Supervisor/Manager	OHS Act Section 8.1 and 8.2(i), 14, GSR 2B
	Uneven and wet surfaces	Slip trip and falls	Safety	LTI	Daily risk assessment, supervision, trained employees, medical surveillance, tool box talks, PPE (safety boots)	4	B	III	Fully effective	Supervisor/Manager	OHS Act Section 8, 14
General work	Exposure to COVID-19	Contracting Corona Virus	Health	Fatality	Sanitizers, temperature testing, medicals, washing of hands regularly, wear safety gloves, maintain social distancing, always wear triple layered cloth face mask, do not come to work if you experiencing fever symptoms, do not share cigarettes, ensure to wear surgical mask when social distancing is impossible	5	C	II	Fully effective	Supervisor/Manager	OHS Act Section 8, 14, HBA 4, 5, 6, 7 and 8, 11, NCCO Act

R	Safety	1	A	Fully effective	I
N	Health	2	B	Mostly effective	II
		3	C	Mostly ineffective	III
		4	D	None	IV
		5	E		
		6			

Consequences	I	II	III	IV	V	VI