Occupational Health and Safety Baseline risk assessment template

Business/Operating unit:	Base Line Risk Assessment for Milling Plant & Milling Plant Contractors	Department:	MILLING PLANT	Next Review Date (every 2 years):	Template Identifier: 240-70044602
Date:	Feb-22	Prepared by:	MDUDUZI NGWANE - JOHN MAHLANGU - DAVIES MAILE -BUSI SITHOLE - PHILLISTUS MATLEBJANE - SIMPHIWE MAKHUBU	Authorised by: Name: MDUDUZI NGWANE; Designation: LINE MANAGER; Signed: ; Date: 03/2022	Document identifier: ; Revision number: 1; Revision date: [illegible]

How to Occupational Health and Safety Risk assessment procedure 32-520

List activity	Activity type (Routine/Non-routine)	Hazard nr	Hazard Identification	Risk Nr	Associated risk	Risk type	Cause(s) of the risk	Exposed group/employees	Risk Owner	Exposure pattern	What are the possible consequences?	Existing Controls	Consequence	Likelihood	Risk Priority Rating	RCE	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/group is exposed to the hazard e.g. Daily for 3 hrs.	Consider the worst 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	Consequence	Likelihood	Risk Priority Rating	RCE Risk Control Effectiveness	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	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.
Replacement of Squeal to round , Duplex dampers, Vibrator motor , Raw coal pipes, Raw coal chute	R	1	Falling objects	1.a	injury	Safety	coal slashing and tools sliping in the hands	employees	Milling plant Manager and Supervisors	9hrs a day	injuries	The bunker must be empty,wear hard hat and secure tools when working	2	C	III	Mostly effective	Bunker inspection	inspection	Supervisor	Environmental regulation for work places section 6			
		2	Falling of raw coal pipes	2.a	injury & damage to plant	Safety	lifting equipment failure	employees	Milling plant Manager and Supervisors	9hrs a day	head,body injuries and plant damage and fatality	Rigging activity is conducted by a competent person	2	B	IV	Fully effective				Driven machinery regulation			
		3	working at height	3.a	injury	Safety	Trip and fall from heights	employees	Milling plant Manager and Supervisors	9hrs a day	head & body injuries and fatality	Hook up at height and maintain good housekeeping	2	B	IV	Fully effective				Construction regulation 10(2) Working at height procedure 32-418			
		4	Rigging equipment failure	4.a	damage	Safety	damaged lifting equipment	employees	Milling plant Manager and Supervisors	9hrs a day	cost to buy new equipment	Rigging activity is conducted by a competent person	2	B	IV	Fully effective				Driven machinery regulation			
		5	Suspended load	5.a	injury & damage to plant and equipment	Safety	damaged lifting equipment	employees	Milling plant Manager and Supervisors	9hrs a day	head,body injuries & fructure and plant damage and fatality.	Rigging activity is conducted by a competent person and inspect rigging equipment before use	2	B	IV	Fully effective				Driven machinery regulation			
		6	Exposure to noise	6.a	NIHL	Health	Running plant	employees	Milling plant Manager and Supervisors	9hrs a day	hearing loss	Noise survey/ medical surveillance and Hearing protection device (Ear Plugs, Ear Muffs, Variphones/Noise Ban)	4	C	II	Mostly effective	Noise surveys to be conducted	supervision and management	[illegible]	OHSAct section 8,Noise Induced Hearing Loss Regulations		Pending	
		7	Dust	7.a	eye injury	Safety	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Eye injuries	Report Pf leakes , Wear eye protection	2	C	III	Fully effective				OHSAct section 8,Hazardous chemical chemical substance regulation			
				7.b	Dust inhalation	Health	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Lung infection	Report Pf leakes,Medical surveillance,Wearing dust mask	3	C	II	Mostly effective	Dust monitoring and Dust Awareness	supervision,monitoring and inspections and fix of leaks	safety department	OHSAct section 8,Hazardous chemical chemical substance regulation			
		8	Nip points.	8.a	Cut by/caught between/ pinched by	Safety	Sharp objects	employees	Milling plant Manager and Supervisors	9hrs a day	fingers or hand amputated and fracture	Do not align holes using fingers ,Wearing of gloves	2	B	IV	Fully effective				Environmental regulation for work places section 6			
		9	moving forklift	9a	injury,Struckby	Safety	using forklift to carry heavy objects	employees	Milling plant Manager and Supervisors	9hrs a day	body injuries & fructure and plant damage and fatality.	Competent person for driving forklift Designatede area for forklift	2	B	IV	Fully effective		inspection and supervision		Driven machinery regulation			
Replacement of Feeder unit(body)	R	1	Exposure to noise		NIHL	Health	Running plant	employees	Milling plant Manager and Supervisors	9hrs a day	hearing loss	Noise survey/ medical surveillance and Hearing protection device (Ear Plugs, Ear Muffs, Variphones/Noise Ban)	4	C	II	Mostly effective	Noise surveys to be conducted	supervision and management	[illegible]	OHSAct section 8,Noise Induced Hearing Loss Regulations		Pending	
		2	Dust		dust entering the eye	Safety	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Eye injuries	Report Pf leakes , Wear eye protection	2	C	III	Fully effective				OHSAct section 8,Hazardous chemical chemical substance			
				2b	Dust inhalation	Health	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Lung infection	Report Pf leakes,Medical surveillance,Wearing dust mask	3	C	II	Mostly effective	Dust monitoring and Dust Awareness	supervision,monitoring and inspections and fix of leaks	safety department	OHSAct section 8,Hazardous chemical chemical substance regulation			
		3	Falling objects		injury & damage to plant	Safety	lifting equipment failure,coal slashing and tools sliping in the hands	employees	Milling plant Manager and Supervisors	9hrs a day	head,body injuries and plant damage and fatality	The bunker must be empty,wear hard hat and secure tools when working,Rigging activity is conducted by a competent person	2	C	III	Mostly effective	Bunker inspection	inspection	Supervisor	Environmental regulation for work places section 6			
		4	Rigging equipment failure	4a	damage	Safety	damaged lifting equipment	employees	Milling plant Manager and Supervisors	9hrs a day	cost to buy new equipment	Rigging activity is conducted by a competent person	2	B	IV	Fully effective				Driven machinery regulation			
		5	Suspended load	5a	injury & damage to plant and equipment	Safety	damaged lifting equipment	employees	Milling plant Manager and Supervisors	9hrs a day	head,body injuries & fructure and plant damage and fatality.	Rigging activity is conducted by a competent person and inspect rigging equipment before use	2	B	IV	Fully effective				Driven machinery regulation			
		6	Nip points.	6a	Cut by/caught between/ pinched by	Safety	Sharp objects	employees	Milling plant Manager and Supervisors	9hrs a day	fingers or hand amputated and fracture	Do not align holes using fingers ,Wearing of gloves	2	B	IV	Fully effective				Environmental regulation for work places section 6			
		7	Poor Housekeeping	7a	Slip,trip and fall	Safety	loosing objects lying around	employees	Milling plant Manager and Supervisors	9hrs a day	head & body injuries and fatality	maintain good house keeping before and after the job is done	2	B	IV	Fully effective		inspection and supervision		Environmental regulation for work places Reg 6			
		8	moving forklift	8a	injury,Struckby	Safety	using forklift to carry heavy objects	employees	Milling plant Manager and Supervisors	9hrs a day	body injuries & fructure and plant damage and fatality.	Competent person for driving forklift Designatede area for forklift	2	B	IV	Fully effective		inspection and supervision		Driven machinery regulation			
Replacement of feeder internals(through,segmentation and Chain) and feeder external components(gear box,motor,coupling)	R	1	Exposure to noise		NIHL	Health	Running plant	employees	Milling plant Manager and Supervisors	9hrs a day	hearing loss	Noise survey/ medical surveillance and Hearing protection device (Ear Plugs, Ear Muffs, Variphones/Noise Ban)	4	C	II	Mostly effective	Noise surveys to be conducted	supervision and management	[illegible]	OHSAct section 8,Noise Induced Hearing Loss Regulations		Pending	
		2	Dust		eye injury	Safety	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Eye injuries	Report Pf leakes , Wear eye protection	2	C	III	Fully effective				OHSAct section 8,Hazardous chemical chemical substance			
				2b	Dust inhalation	Health	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Lung infection	Report Pf leakes,Medical surveillance,Wearing dust mask	3	C	II	Mostly effective	Dust monitoring and Dust Awareness	supervision,monitoring and inspections and fix of leaks	safety department	OHSAct section 8,Hazardous chemical chemical substance regulation			
		3	Falling objects		injury	Safety	coal slashing and tools sliping in the hands	employees	Milling plant Manager and Supervisors	9hrs a day	injuries	The bunker must be empty,wear hard hat and secure tools when working	2	C	III	Mostly effective	Bunker inspection	inspection	Supervisor	Environmental regulation for work places section 6			
		4	Poor Housekeeping	4a	Slip,trip and fall	Safety	loosing objects lying around	employees	Milling plant Manager and Supervisors	9hrs a day	head & body injuries and fatality	maintain good house keeping before and after the job is done	2	B	IV	Fully effective		inspection and supervision		Environmental regulation for work places Reg 6			
		5	moving forklift	5a	injury,Struckby	Safety	using forklift to carry heavy objects	employees	Milling plant Manager and Supervisors	9hrs a day	body injuries & fructure and plant damage and fatality.	Competent person for driving forklift Designatede area for forklift	2	B	IV	Fully effective		inspection and supervision		Driven machinery regulation			
		6	Heavy material	6a	injury	Safety	lifting of heavy spares	employees	Milling plant Manager and Supervisors	9hrs a day	Musculoskeletal disorder	ask someone to assist you,use your legs as support not your back	3	A	IV	Fully effective		inspection and supervision		OHS Act 85 of 1993, General Safety Regulations and General Machinery Regulations,1988 framed under OHS Act 85 of 1993,Section 8 Eskom 32-727 SHEQ Policy, Eskom Life Saving Rules, Eskom 32-520 Risk Assessment Procedure			
		7	Ergonomics	7a	Injury	Safety	Akward postures,Bending due to plant design	employees	Milling plant Manager and Supervisors	9hrs a day	Musculoskeletal disorder	Take regular breakes	3	A	IV	Fully effective		inspection and supervision		OHS Act 85 of 1993, General Safety Regulations and General Machinery Regulations,1988 framed under OHS Act 85 of 1993,Section 8 Eskom 32-727 SHEQ Policy, Eskom Life Saving Rules, Eskom 32-520 Risk Assessment Procedure			
		8	Nip points.	8a	Cut by/caught between/ pinched by	Safety	Sharp objects	employees	Milling plant Manager and Supervisors	9hrs a day	fingers or hand amputated and fracture	Do not align holes using fingers ,Wearing of gloves	2	B	IV	Fully effective				Environmental regulation for work places section 6			
Replacement of mill air damper and hot air damper cylinder	R	1	Falling objects	1.a	injury	Safety	coal slashing and tools sliping in the hands	employees	Milling plant Manager and Supervisors	9hrs a day	injuries	The bunker must be empty,wear hard hat and secure tools when working	2	C	III	Mostly effective	Bunker inspection	inspection	Supervisor	Environmental regulation for work places section 6			
		2	working at height	2a	injury	Safety	Trip and fall from heights	employees	Milling plant Manager and Supervisors	9hrs a day	head & body injuries and fatality	Hook up at height and maintain good housekeeping	2	B	IV	Fully effective				Construction regulation 10(2) Working at height procedure 32-418			
		3	Suspended load	3a	injury & damage to plant and equipment	Safety	damaged lifting equipment	employees	Milling plant Manager and Supervisors	9hrs a day	head,body injuries & fructure and plant damage and fatality.	Rigging activity is conducted by a competent person and inspect rigging equipment before use	2	B	IV	Fully effective				Driven machinery regulation			
		4	Exposure to noise	4a	NIHL	Health	Running plant	employees	Milling plant Manager and Supervisors	9hrs a day	hearing loss	Noise survey/ medical surveillance and Hearing protection device (Ear Plugs, Ear Muffs, Variphones/Noise Ban)	4	C	II	Mostly effective	Noise surveys to be conducted	supervision and management	[illegible]	OHSAct section 8,Noise Induced Hearing Loss Regulations		Pending	
		5	Dust	5a	eye injury	Safety	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Eye injuries	Report Pf leakes , Wear eye protection	2	C	III	Fully effective				OHSAct section 8,Hazardous chemical chemical substance			
				5b	Dust inhalation	Health	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Lung infection	Report Pf leakes,Medical surveillance,Wearing dust mask	3	C	II	Mostly effective	Dust monitoring and Dust Awareness	supervision,monitoring and inspections and fix of leaks	safety department	OHSAct section 8,Hazardous chemical chemical substance regulation			
		6	moving forklift	6a	injury,Struckby	Safety	using forklift to carry heavy objects	employees	Milling plant Manager and Supervisors	9hrs a day	body injuries & fructure and plant damage and fatality.	Competent person for driving forklift Designatede area for forklift	2	B	IV	Fully effective		inspection and supervision		Driven machinery regulation			
		7	Heavy material	7a	injury	Safety	lifting of heavy spares	employees	Milling plant Manager and Supervisors	9hrs a day	Musculoskeletal disorder	ask someone to assist you,use your legs as support not your back	3	A	IV	Fully effective		inspection and supervision		OHS Act 85 of 1993, General Safety Regulations and General Machinery Regulations,1988 framed under OHS Act 85 of 1993,Section 8 Eskom 32-727 SHEQ Policy, Eskom Life Saving Rules, Eskom 32-520 Risk Assessment Procedure			
		8	Hazadous chemicals(Decreaser)			Safety	skin contact when cleaning the equipment	employees	Milling plant Manager and Supervisors	9hrs a day	Skin irritation and damage.	Material safety data sheet,Wear Oil-Resistant Gloves	3	B	III	Mostly effective	Material safety data sheet To be discussed with the employees	inspection and supervision		OHSAct section 8,Hazardous chemical chemical substance regulation			
Replacement of Raw coal pipe below the feeder and above classifier	R	1	Falling objects	1.a	injury	Safety	coal slashing and tools sliping in the hands	employees	Milling plant Manager and Supervisors	9hrs a day	injuries	The bunker must be empty,wear hard hat and secure tools when working	2	C	III	Mostly effective	Bunker inspection	inspection	Supervisor	Environmental regulation for work places section 6			
		2	Falling of raw coal pipes	2.a	injury & damage to plant	Safety	lifting equipment failure	employees	Milling plant Manager and Supervisors	9hrs a day	head,body injuries and plant damage and fatality	Rigging activity is conducted by a competent person	2	B	IV	Fully effective				Driven machinery regulation			
		3	working at height	3.a	injury	Safety	Trip and fall from heights	employees	Milling plant Manager and Supervisors	9hrs a day	head & body injuries and fatality	Hook up at height and maintain good housekeeping	2	B	IV	Fully effective				Construction regulation 10(2) Working at height procedure 32-418			
		4	Rigging equipment failure	4.a	damage	Safety	damaged lifting equipment	employees	Milling plant Manager and Supervisors	9hrs a day	cost to buy new equipment	Rigging activity is conducted by a competent person	2	B	IV	Fully effective				Driven machinery regulation			
		5	Suspended load	5.a	injury & damage to plant and equipment	Safety	damaged lifting equipment	employees	Milling plant Manager and Supervisors	9hrs a day	head,body injuries & fructure and plant damage and fatality.	Rigging activity is conducted by a competent person and inspect rigging equipment before use	2	B	IV	Fully effective				Driven machinery regulation			
		6	Exposure to noise	6.a	NIHL	Health	Running plant	employees	Milling plant Manager and Supervisors	9hrs a day	hearing loss	Noise survey/ medical surveillance and Hearing protection device (Ear Plugs, Ear Muffs, Variphones/Noise Ban)	4	C	II	Mostly effective	Noise surveys to be conducted	supervision and management	[illegible]	OHSAct section 8,Noise Induced Hearing Loss Regulations		Pending	
		7	Dust	7.a	eye injury	Safety	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Eye injuries	Report Pf leakes , Wear eye protection	2	C	III	Fully effective				OHSAct section 8,Hazardous chemical chemical substance regulation			
				7.b	Dust inhalation	Health	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Lung infection	Report Pf leakes,Medical surveillance,Wearing dust mask	3	C	II	Mostly effective	Dust monitoring and Dust Awareness	supervision,monitoring and inspections and fix of leaks	safety department	OHSAct section 8,Hazardous chemical chemical substance regulation			
		8	Nip points.	8.a	Cut by/caught between/ pinched by	Safety	Sharp objects	employees	Milling plant Manager and Supervisors	9hrs a day	fingers or hand amputated and fracture	Do not align holes using fingers ,Wearing of gloves	2	B	IV	Fully effective				Environmental regulation for work places section 6			
		9	moving forklift and crane	9a	injury,Struckby	Safety	using forklift to carry heavy objects	employees	Milling plant Manager and Supervisors	9hrs a day	body injuries & fructure and plant damage and fatality.	Competent person for driving forklift Designatede area for forklift	2	B	IV	Fully effective		inspection and supervision		Driven machinery regulation			
Replacement of the top half and bottom half of the classifier	R	1	Falling objects	1.a	injury	Safety	coal slashing and tools sliping in the hands	employees	Milling plant Manager and Supervisors	9hrs a day	injuries	The bunker must be empty,wear hard hat and secure tools when working	2	C	III	Mostly effective	Bunker inspection	inspection	Supervisor	Environmental regulation for work places section 6			
		2	Falling of raw coal pipes	2.a	injury & damage to plant	Safety	lifting equipment failure	employees	Milling plant Manager and Supervisors	9hrs a day	head,body injuries and plant damage and fatality	Rigging activity is conducted by a competent person	2	B	IV	Fully effective				Driven machinery regulation			
		3	working at height	3.a	injury	Safety	Trip and fall from heights	employees	Milling plant Manager and Supervisors	9hrs a day	head & body injuries and fatality	Hook up at height and maintain good housekeeping	2	B	IV	Fully effective				Construction regulation 10(2) Working at height procedure 32-418			
		4	Rigging equipment failure	4.a	damage	Safety	damaged lifting equipment	employees	Milling plant Manager and Supervisors	9hrs a day	cost to buy new equipment	Rigging activity is conducted by a competent person	2	B	IV	Fully effective				Driven machinery regulation			
		5	Suspended load	5.a	injury & damage to plant and equipment	Safety	damaged lifting equipment	employees	Milling plant Manager and Supervisors	9hrs a day	head,body injuries & fructure and plant damage and fatality.	Rigging activity is conducted by a competent person and inspect rigging equipment before use	2	B	IV	Fully effective				Driven machinery regulation			
		6	Exposure to noise	6.a	NIHL	Health	Running plant	employees	Milling plant Manager and Supervisors	9hrs a day	hearing loss	Noise survey/ medical surveillance and Hearing protection device (Ear Plugs, Ear Muffs, Variphones/Noise Ban)	4	C	II	Mostly effective	Noise surveys to be conducted	supervision and management	[illegible]	OHSAct section 8,Noise Induced Hearing Loss Regulations		Pending	
		7	Dust	7.a	eye injury	Safety	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Eye injuries	Report Pf leakes , Wear eye protection	2	C	III	Fully effective				OHSAct section 8,Hazardous chemical chemical substance regulation			
				7.b	Dust inhalation	Health	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Lung infection	Report Pf leakes,Medical surveillance,Wearing dust mask	3	C	II	Mostly effective	Dust monitoring and Dust Awareness	supervision,monitoring and inspections and fix of leaks	safety department	OHSAct section 8,Hazardous chemical chemical substance regulation			
		8	Nip points.	8.a	Cut by/caught between/ pinched by	Safety	Sharp objects	employees	Milling plant Manager and Supervisors	9hrs a day	fingers or hand amputated and fracture	Do not align holes using fingers ,Wearing of gloves	2	B	IV	Fully effective				Environmental regulation for work places section 6			
		9	moving forklift and crane	9a	injury,Struckby	Safety	using forklift to carry heavy objects	employees	Milling plant Manager and Supervisors	9hrs a day	body injuries & fructure and plant damage and fatality.	Competent person for driving forklift Designatede area for forklift	2	B	IV	Fully effective		inspection and supervision		Driven machinery regulation			
Replacement of mill standpipes, Explosion covers,mill body,Roller assemblies and burner arms)	R	1	Falling objects	1.a	injury	Safety	coal slashing and tools sliping in the hands	employees	Milling plant Manager and Supervisors	9hrs a day	injuries	The bunker must be empty,wear hard hat and secure tools when working	2	C	III	Mostly effective	Bunker inspection	inspection	Supervisor	Environmental regulation for work places section 6			
		2	Falling of raw coal pipes	2.a	injury & damage to plant	Safety	lifting equipment failure	employees	Milling plant Manager and Supervisors	9hrs a day	head,body injuries and plant damage and fatality	Rigging activity is conducted by a competent person	2	B	IV	Fully effective				Driven machinery regulation			
		3	working at height	3.a	injury	Safety	Trip and fall from heights	employees	Milling plant Manager and Supervisors	9hrs a day	head & body injuries and fatality	Hook up at height and maintain good housekeeping	2	B	IV	Fully effective				Construction regulation 10(2) Working at height procedure 32-418			
		4	Rigging equipment failure	4.a	damage	Safety	damaged lifting equipment	employees	Milling plant Manager and Supervisors	9hrs a day	cost to buy new equipment	Rigging activity is conducted by a competent person	2	B	IV	Fully effective				Driven machinery regulation			
		5	Suspended load	5.a	injury & damage to plant and equipment	Safety	damaged lifting equipment	employees	Milling plant Manager and Supervisors	9hrs a day	head,body injuries & fructure and plant damage and fatality.	Rigging activity is conducted by a competent person and inspect rigging equipment before use	2	B	IV	Fully effective				Driven machinery regulation			
		6	Exposure to noise	6.a	NIHL	Health	Running plant	employees	Milling plant Manager and Supervisors	9hrs a day	hearing loss	Noise survey/ medical surveillance and Hearing protection device (Ear Plugs, Ear Muffs, Variphones/Noise Ban)	4	C	II	Mostly effective	Noise surveys to be conducted	supervision and management	[illegible]	OHSAct section 8,Noise Induced Hearing Loss Regulations		Pending	
		7	Dust	7.a	eye injury	Safety	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Eye injuries	Report Pf leakes , Wear eye protection	2	C	III	Fully effective				OHSAct section 8,Hazardous chemical chemical substance regulation			
				7.b	Dust inhalation	Health	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Lung infection	Report Pf leakes,Medical surveillance,Wearing dust mask	3	C	II	Mostly effective	Dust monitoring and Dust Awareness	supervision,monitoring and inspections and fix of leaks	safety department	OHSAct section 8,Hazardous chemical chemical substance regulation			
		8	Nip points.	8.a	Cut by/caught between/ pinched by	Safety	Sharp objects	employees	Milling plant Manager and Supervisors	9hrs a day	fingers or hand amputated and fracture	Do not align holes using fingers ,Wearing of gloves	2	B	IV	Fully effective				Environmental regulation for work places section 6			
		9	moving forklift and crane	9a	injury,Struckby	Safety	using forklift to carry heavy objects	employees	Milling plant Manager and Supervisors	9hrs a day	body injuries & fructure and plant damage and fatality.	Competent person for driving forklift Designatede area for forklift	2	B	IV	Fully effective		inspection and supervision		Driven machinery regulation			
		10	Compressed air	10a	injury,Struckby	Safety	Hit by air hose when Tightening the mill with impact using the compressed air	employees	Milling plant Manager and Supervisors	9hrs a day	head & body injuries and fatality	Secure air hose when working, replace damage air pipes	2	B	IV	Fully effective		inspection and supervision		Pressure equipment regulation			
		11	Slippery surface	11a	injury by,sliping,triping and falling	Safety	oil,waste,poor housekeeping	employees	Milling plant Manager and Supervisors	9hrs a day	head & body injuries and fatality	maintain good house keeping before and after the job is done	2	A	IV	Fully effective		inspection and supervision		Environmental regulation for work places section 6			
		12	Hazadous chemicals(Decreaser)			Safety	skin contact when cleaning the equipment	employees	Milling plant Manager and Supervisors	9hrs a day	Skin irritation and damage.	Material safety data sheet,Wear Oil-Resistant Gloves	3	B	III	Mostly effective	Material safety data sheet To be discussed with the employees	inspection and supervision		OHSAct section 8,Hazardous chemical chemical substance regulation			
Replacement of mill internals(wall ring,rolling ring,seating throat,main shaft alignment,pressure frame(spider) and mill main bolts)	R	1	Falling objects	1.a	injury	Safety	coal slashing and tools sliping in the hands	employees	Milling plant Manager and Supervisors	9hrs a day	injuries	The bunker must be empty,wear hard hat and secure tools when working	2	C	III	Mostly effective	Bunker inspection	inspection	Supervisor	Environmental regulation for work places section 6			
		2	working at height	2a	injury	Safety	Trip and fall from heights	employees	Milling plant Manager and Supervisors	9hrs a day	head & body injuries and fatality	Hook up at height and maintain good housekeeping	2	B	IV	Fully effective				Construction regulation 10(2) Working at height procedure 32-418			
		3	Rigging equipment failure	3a	damage	Safety	damaged lifting equipment	employees	Milling plant Manager and Supervisors	9hrs a day	cost to buy new equipment	Rigging activity is conducted by a competent person	2	B	IV	Fully effective				Driven machinery regulation			
		4	Suspended load	4a	injury & damage to plant and equipment	Safety	damaged lifting equipment	employees	Milling plant Manager and Supervisors	9hrs a day	head,body injuries & fructure and plant damage and fatality.	Rigging activity is conducted by a competent person and inspect rigging equipment before use	2	B	IV	Fully effective				Driven machinery regulation			
		5	Exposure to noise	5a	NIHL	Health	Running plant	employees	Milling plant Manager and Supervisors	9hrs a day	hearing loss	Noise survey/ medical surveillance and Hearing protection device (Ear Plugs, Ear Muffs, Variphones/Noise Ban)	4	C	II	Mostly effective	Noise surveys to be conducted	supervision and management	[illegible]	OHSAct section 8,Noise Induced Hearing Loss Regulations		Pending	
		6	Dust	6a	eye injury	Safety	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Eye injuries	Report Pf leakes , Wear eye protection, Use eye shower to rinse eyes	2	C	III	Fully effective				OHSAct section 8,Hazardous chemical chemical substance			
				6b	Dust inhalation	Health	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Lung infection	Report Pf leakes,Medical surveillance,Wearing dust mask	3	C	II	Mostly effective	Dust monitoring and Dust Awareness	supervision,monitoring and inspections and fix of leaks	safety department	OHSAct section 8,Hazardous chemical chemical substance regulation			
		7	Nip points.	7a	Cut by/caught between/ pinched by	Safety	Sharp objects	employees	Milling plant Manager and Supervisors	9hrs a day	fingers or hand amputated and fracture	Do not align holes using fingers ,Wearing of gloves	2	B	IV	Fully effective				Environmental regulation for work places section 6			
		8	moving forklift and crane	8a	injury,Struckby	Safety	using forklift to carry heavy objects	employees	Milling plant Manager and Supervisors	9hrs a day	body injuries & fructure and plant damage and fatality.	Competent person for driving forklift Designatede area for forklift	2	B	IV	Fully effective		inspection and supervision		Driven machinery regulation			
		9	Compressed air	9a	injury,Struckby	Safety	Hit by air hose when Tightening the mill with impact using the compressed air	employees	Milling plant Manager and Supervisors	9hrs a day	head & body injuries and fatality	Secure air hose when working, replace damage air pipes	2	B	IV	Fully effective		inspection and supervision		Pressure equipment regulation			
		10	Slippery surface	10a	injury by,sliping,triping and falling	Safety	oil,waste,poor housekeeping	employees	Milling plant Manager and Supervisors	9hrs a day	head & body injuries and fatality	maintain good house keeping before and after the job is done	2	A	IV	Fully effective		inspection and supervision		Environmental regulation for work places section 6			
Replacement of hydraulic system components (Nitrogen accumulators,power cylinder,pump and hydraulic cabinet)	R	1	Exposure to noise		NIHL	Health	Running plant	employees	Milling plant Manager and Supervisors	9hrs a day	hearing loss	Noise survey/ medical surveillance and Hearing protection device (Ear Plugs, Ear Muffs, Variphones/Noise Ban)	4	C	II	Mostly effective	Noise surveys to be conducted	supervision and management	[illegible]	OHSAct section 8,Noise Induced Hearing Loss Regulations		Pending	
		2	Dust		eye injury	Safety	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Eye injuries	Report Pf leakes , Wear eye protection	2	C	III	Fully effective				OHSAct section 8,Hazardous chemical chemical substance			
				2b	Dust inhalation	Health	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Lung infection	Report Pf leakes,Medical surveillance,Wearing dust mask	3	C	II	Mostly effective	Dust monitoring and Dust Awareness	supervision,monitoring and inspections and fix of leaks	safety department	OHSAct section 8,Hazardous chemical chemical substance regulation			
		3	Falling objects		injury	Safety	coal slashing and tools sliping in the hands	employees	Milling plant Manager and Supervisors	9hrs a day	injuries	The bunker must be empty,wear hard hat and secure tools when working	2	C	III	Mostly effective	Bunker inspection	inspection	Supervisor	Environmental regulation for work places section 6			
		4	Poor Housekeeping	4a	Slip,trip and fall	Safety	loosing objects lying around	employees	Milling plant Manager and Supervisors	9hrs a day	head & body injuries and fatality	maintain good house keeping before and after the job is done	2	B	IV	Fully effective		inspection and supervision		Environmental regulation for work places Reg 6			
		5	moving forklift		injury,Struckby	Safety	using forklift to carry heavy objects	employees	Milling plant Manager and Supervisors	9hrs a day	body injuries & fructure and plant damage and fatality.	Competent person for driving forklift Designatede area for forklift	2	B	IV	Fully effective		inspection and supervision		Driven machinery regulation			
		6	Heavy material	6a	injury	Safety	lifting of heavy spares	employees	Milling plant Manager and Supervisors	9hrs a day	Musculoskeletal disorder	ask someone to assist you,use your legs as support not your back	3	A	IV	Fully effective		inspection and supervision		OHS Act 85 of 1993, General Safety Regulations and General Machinery Regulations,1988 framed under OHS Act 85 of 1993,Section 8 Eskom 32-727 SHEQ Policy, Eskom Life Saving Rules, Eskom 32-520 Risk Assessment Procedure			
		7	Ergonomics	7a	Injury	Safety	Akward postures,Bending due to plant design	employees	Milling plant Manager and Supervisors	9hrs a day	Musculoskeletal disorder	Take regular breakes	3	A	IV	Fully effective		inspection and supervision		OHS Act 85 of 1993, General Safety Regulations and General Machinery Regulations,1988 framed under OHS Act 85 of 1993,Section 8 Eskom 32-727 SHEQ Policy, Eskom Life Saving Rules, Eskom 32-520 Risk Assessment Procedure			
		8	Nip points.	8a	Cut by/caught between/ pinched by	Safety	Sharp objects	employees	Milling plant Manager and Supervisors	9hrs a day	fingers or hand amputated and fracture	Do not align holes using fingers ,Wearing of gloves	2	B	IV	Fully effective				Environmental regulation for work places section 6			
		9	Hazadous chemicals(Decreaser)			Safety	skin contact when cleaning the equipment	employees	Milling plant Manager and Supervisors	9hrs a day	Skin irritation and damage.	Material safety data sheet,Wear Oil-Resistant Gloves	3	B	III	Mostly effective	Material safety data sheet To be discussed with the employees	inspection and supervision		OHSAct section 8,Hazardous chemical chemical substance regulation			
		10	oil spillage/slippery surface	10a	injury by,sliping,triping and falling	Safety	sliping from oil leaking from cylinders and gear boxes	employees	Milling plant Manager and Supervisors	9hrs a day	body injuries & fructure and plant damage and fatality.	Report and replace leaking cylinders and gear boxes,clean oil spillages	2	B	IV	Fully effective		inspection and supervision		OHSAct section 8,Hazardous chemical chemical substance regulation			
		11	Rigging equipment failure	11a	damage	Safety	damaged lifting equipment	employees	Milling plant Manager and Supervisors	9hrs a day	cost to buy new equipment	Rigging activity is conducted by a competent person	2	B	IV	Fully effective				Driven machinery regulation			
Replacement of Mill gearbox,mill motor and gearbox coupling	R	1	Falling objects	1.a	injury	Safety	coal slashing and tools sliping in the hands	employees	Milling plant Manager and Supervisors	9hrs a day	injuries	The bunker must be empty,wear hard hat and secure tools when working	2	C	III	Mostly effective	Bunker inspection	inspection	Supervisor	Environmental regulation for work places section 6			
		2	working at height	2a	injury	Safety	Trip and fall from heights	employees	Milling plant Manager and Supervisors	9hrs a day	head & body injuries and fatality	Hook up at height and maintain good housekeeping	2	B	IV	Fully effective				Construction regulation 10(2) Working at height procedure 32-418			
		3	Rigging equipment failure	3a	damage	Safety	damaged lifting equipment	employees	Milling plant Manager and Supervisors	9hrs a day	cost to buy new equipment	Rigging activity is conducted by a competent person	2	B	IV	Fully effective				Driven machinery regulation			
		4	Suspended load	4a	injury & damage to plant and equipment	Safety	damaged lifting equipment	employees	Milling plant Manager and Supervisors	9hrs a day	head,body injuries & fructure and plant damage and fatality.	Rigging activity is conducted by a competent person and inspect rigging equipment before use	2	B	IV	Fully effective				Driven machinery regulation			
		5	Exposure to noise	5a	NIHL	Health	Running plant	employees	Milling plant Manager and Supervisors	9hrs a day	hearing loss	Noise survey/ medical surveillance and Hearing protection device (Ear Plugs, Ear Muffs, Variphones/Noise Ban)	4	C	II	Mostly effective	Noise surveys to be conducted	supervision and management	[illegible]	OHSAct section 8,Noise Induced Hearing Loss Regulations		Pending	
		6	Dust	6a	eye injury	Safety	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Eye injuries	Report Pf leakes , Wear eye protection	2	C	III	Fully effective				OHSAct section 8,Hazardous chemical chemical substance			
				6b	Dust inhalation	Health	Pf leaks,running plant	employees	Milling plant Manager and Supervisors	9hrs a day	Lung infection	Report Pf leakes,Medical surveillance,Wearing dust mask	3	C	II	Mostly effective	Dust monitoring and Dust Awareness	supervision,monitoring and inspections and fix of leaks	safety department	OHSAct section 8,Hazardous chemical chemical substance regulation			
		7	Nip points.	7a	Cut by/caught between/ pinched by	Safety	Sharp objects	employees	Milling plant Manager and Supervisors	9hrs a day	fingers or hand amputated and fracture	Do not align holes using fingers ,Wearing of gloves	2	B	IV	Fully effective				Environmental regulation for work places section 6			
		8	moving forklift and crane	8a	injury,Struckby	Safety	using forklift to carry heavy objects	employees	Milling plant Manager and Supervisors	9hrs a day	body injuries & fructure and plant damage and fatality.	Competent person for driving forklift Designatede area for forklift	2	B	IV	Fully effective		inspection and supervision		Driven machinery regulation			

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			

Consequence					
6	III	II	I	I	I
5	III	II	II	I	I
4	IV	III	II	I	I
3	IV	III	II	II	I
2	IV	IV	III	II	II
1	IV	IV	III	III	III
	Likelihood				

		9	Compressed air	9a	injury,Struck by	Safety	Hit by air hose when Tightening the mill with impact using the compressed air	employees	Milling pant Manager and Supervisors	8hrs a day	head & body injuries and fatality	Secure air hose when working,replace damage air pipes	2	B	IV	Fully effective		inspection and supervision		Pressure equipment regulation			
		10	Slippery surface	10a	injury by,sliping,triping and falling	Safety	oil,water,poor housekeeping	employees	Milling pant Manager and Supervisors	8hrs a day	head & body injuries and fatality	maintain good house keeping before and after the job is done	2	A	IV	Fully effective		inspection and supervision		Environmental regulation for work places section 5			
		11	Ergonomics	11a	Injury	Safety	Akward postures,Bending due to plant design	employees	Milling pant Manager and Supervisors	8hrs a day	Musculoskeletal disorder	Take regular breakes	3	A	IV	Fully effective		inspection and supervision		OHS Act 85 of 1993, General Safety Regulations and General Machinery Regulations,1988 framed under OHS Act 85 of 1993,Section 8 Eskom 32-727 SHEQ Policy, Eskom Life Saving Rules, Eskom 32-520 Risk Assessment Procedure			
		12	Electrical equipment	12a	injury & damage to plant	Safety	electric shock due to deffective cables	employees	Milling pant Manager and Supervisors	8hrs a day	3rd degree burn,fatality	Report defective electrical cables conduct regular electrical equipment inspection.Adhere to inspection and replace /repair defective electrical equipment	3	A	IV			inspection and supervision		Lifesaving rule,Electrical machinery regulation			
lub oil system components replacement(lub oil pump,motor,filter unit and cooler)	R	1	Exposure to noise	1a	NIHL	Health	Running plant	employees	Milling pant Manager and Supervisors	8hrs a day	hearing loss	Noise survey/ medical surveillance and Hearing protection device (Ear Plugs, Ear Muffs, Variphones/Noise Bar)	4	C	II	Mostly effective	Noise surveys to be conducted	supervision and measurement	Mdu Ngwane	OHSAct section 8,Noise Induced Hearing Loss Regulation		Pending	
		2	Dust	2a	eye injury	Safety	Pf leaks,running plant	employees	Milling pant Manager and Supervisors	8hrs a day	Eye injuries	Report Pf leakes , Wear eye protection	2	C	III	Fully effective				OHSAct section 8,Hazardous chemical chemical substance regulation			
				2b	Dust inhalation	Health	Pf leaks,running plant	employees	Milling pant Manager and Supervisors	8hrs a day	Lung infection	Report Pf leakes,Medical surveillance,Wearing dust mask	3	C	II	Mostly effective	Dust monitoring and Dust Awareness	supervision,monitoring and inspections and fix of leaks	safety department	OHSAct section 8,Hazardous chemical chemical substance regulation			
		3	Poor Housekeeping	3a	Slip,trip and fall	Safety	forring objects lying around	employees	Milling pant Manager and Supervisors	8hrs a day	head & body injuries and fatality	maintain good house keeping before and after the job is done	2	B	IV	Fully effective		inspection and supervision		Environmental regulation for work places section 5			
		4	moving forklift	4a	injury,Struck by	Safety	using forklift to carry heavy objects	employees	Milling pant Manager and Supervisors	8hrs a day	body injuries & fructure and plant damage and fatality.	Competent person for driving forklift Designatede area for forklift	2	B	IV	Fully effective		inspection and supervision		Driven machinery regulation			
		5	Heavy material	5a	Injury	Safety	lifting of heavy spares	employees	Milling pant Manager and Supervisors	8hrs a day	Musculoskeletal disorder	ask someone to assist you,use your legs as support not your back	3	A	IV	Fully effective		inspection and supervision		OHS Act 85 of 1993, General Safety Regulations and General Machinery Regulations,1988 framed under OHS Act 85 of 1993,Section 8 Eskom 32-727 SHEQ Policy, Eskom Life Saving Rules, Eskom 32-520 Risk Assessment Procedure			
		6	Ergonomics	6a	Injury	Safety	Akward postures,Bending due to plant design	employees	Milling pant Manager and Supervisors	8hrs a day	Musculoskeletal disorder	Take regular breakes	3	A	IV	Fully effective		inspection and supervision		OHS Act 85 of 1993, General Safety Regulations and General Machinery Regulations,1988 framed under OHS Act 85 of 1993,Section 8 Eskom 32-727 SHEQ Policy, Eskom Life Saving Rules, Eskom 32-520 Risk Assessment Procedure			
		7	Nip points	7a	Cut by/caught between/ pinched by	Safety	Sharp objects	employees	Milling pant Manager and Supervisors	8hrs a day	fingers or hand amputated and fracture	Do not align holes using fingers ,Wearing of gloves	2	B	IV	Fully effective		inspection and supervision		Environmental regulation for work places section 5			
		8	Hazardous chemicals(kerosene)	8a		Safety	skin contact when cleaning the equipment	employees	Milling pant Manager and Supervisors	8hrs a day	Skin irritation and damage	Material safety data sheet,Wear Oil-Resistant Gloves	3	B	III	Mostly effective	Material safety data sheet To be discussed with the employees	inspection and supervision		OHSAct section 8,Hazardous chemical chemical substance			
		9	oil spillage/Slippery surface	9a	injury by,sliping,triping and falling	Safety	sliping from oil leaking from cylinders and gear boxes	employees	Milling pant Manager and Supervisors	8hrs a day	body injuries & fructure and plant damage and fatality.	Report and replace leaking cylinders and gear boxes,clean oil spillages	2	B	IV	Fully effective		inspection and supervision		OHSAct section 8,Hazardous chemical chemical substance regulation			
		10	Electrical equipment	10a	injury & damage to plant	Safety	electric shock due to deffective cables	employees	Milling pant Manager and Supervisors	8hrs a day	3rd degree burn,fatality	Report defective electrical cables conduct regular electrical equipment inspection.Adhere to inspection and replace /repair defective electrical equipment	3	A	IV	Fully effective		inspection and supervision		Lifesaving rule,Electrical machinery regulation			
		11	Poor lighting	11a	Injury	Safety	bumping against due to deffective lights	employees	Milling pant Manager and Supervisors	8hrs a day	head & body injuries	Report deffective lights and employees are provided with torches	2	B	IV	Fully effective		inspection and supervision		Environmental regulation for work places section 5			
changing of hydraulic oil inside the cabinet and mill gearbox	R	1	Exposure to noise	1a	NIHL	Health	Running plant	employees	Milling pant Manager and Supervisors	8hrs a day	hearing loss	Noise survey/ medical surveillance and Hearing protection device (Ear Plugs, Ear Muffs, Variphones/Noise Bar)	4	C	II	Mostly effective	Noise surveys to be conducted	supervision and measurement	Mdu Ngwane	OHSAct section 8,Noise Induced Hearing Loss Regulation		Pending	
		2	Dust	2a	eye injury	Safety	Pf leaks,running plant	employees	Milling pant Manager and Supervisors	8hrs a day	Eye injuries	Report Pf leakes , Wear eye protection	2	C	III	Fully effective				OHSAct section 8,Hazardous chemical chemical substance regulation			
			Dust	2b	Dust inhalation	Health	Pf leaks,running plant	employees	Milling pant Manager and Supervisors	8hrs a day	Lung infection	Report Pf leakes,Medical surveillance,Wearing dust mask	3	C	II	Mostly effective	Dust monitoring and Dust Awareness	supervision,monitoring and inspections and fix of leaks	safety department	OHSAct section 8,Hazardous chemical chemical substance regulation			
		3	Poor Housekeeping	3a	Slip,trip and fall	Safety	forring objects lying around	employees	Milling pant Manager and Supervisors	8hrs a day	head & body injuries and fatality	maintain good house keeping before and after the job is done	2	B	IV	Fully effective		inspection and supervision		Environmental regulation for work places section 5			
		4	moving forklift	4a	injury,Struck by	Safety	using forklift to carry heavy objects	employees	Milling pant Manager and Supervisors	8hrs a day	body injuries & fructure and plant damage and fatality.	Competent person for driving forklift Designatede area for forklift	2	B	IV	Fully effective		inspection and supervision		Driven machinery regulation			
		5	Heavy material	5a	Injury	Safety	lifting of heavy spares	employees	Milling pant Manager and Supervisors	8hrs a day	Musculoskeletal disorder	ask someone to assist you,use your legs as support not your back	3	A	IV	Fully effective		inspection and supervision		OHS Act 85 of 1993, General Safety Regulations and General Machinery Regulations,1988 framed under OHS Act 85 of 1993,Section 8 Eskom 32-727 SHEQ Policy, Eskom Life Saving Rules, Eskom 32-520 Risk Assessment Procedure			
		6	Ergonomics	6a	Injury	Safety	Akward postures,Bending due to plant design	employees	Milling pant Manager and Supervisors	8hrs a day	Musculoskeletal disorder	Take regular breakes	3	A	IV	Fully effective		inspection and supervision		OHS Act 85 of 1993, General Safety Regulations and General Machinery Regulations,1988 framed under OHS Act 85 of 1993,Section 8 Eskom 32-727 SHEQ Policy, Eskom Life Saving Rules, Eskom 32-520 Risk Assessment Procedure			
		7	Nip points	7a	Cut by/caught between/ pinched by	Safety	Sharp objects	employees	Milling pant Manager and Supervisors	8hrs a day	fingers or hand amputated and fracture	Do not align holes using fingers ,Wearing of gloves	2	B	IV	Fully effective		inspection and supervision		Environmental regulation for work places section 5			
		8	Hazardous chemicals(kerosene)	8a		Safety	skin contact when cleaning the equipment	employees	Milling pant Manager and Supervisors	8hrs a day	Skin irritation and damage	Material safety data sheet,Wear Oil-Resistant Gloves	3	B	III	Mostly effective	Material safety data sheet To be discussed with the employees	inspection and supervision		OHSAct section 8,Hazardous chemical chemical substance			
		9	oil spillage/Slippery surface	9a	injury by,sliping,triping and falling	Safety	sliping from oil leaking from cylinders and gear boxes	employees	Milling pant Manager and Supervisors	8hrs a day	body injuries & fructure and plant damage and fatality.	Report and replace leaking cylinders and gear boxes,clean oil spillages	2	B	IV	Fully effective		inspection and supervision		OHSAct section 8,Hazardous chemical chemical substance regulation			
		10	Electrical equipment	10a	injury & damage to plant	Safety	electric shock due to deffective cables	employees	Milling pant Manager and Supervisors	8hrs a day	3rd degree burn,fatality	Report defective electrical cables conduct regular electrical equipment inspection.Adhere to inspection and replace /repair defective electrical equipment	3	A	IV	Fully effective		inspection and supervision		Lifesaving rule,Electrical machinery regulation			
		11	Poor lighting	11a	Injury	Safety	bumping against due to deffective lights	employees	Milling pant Manager and Supervisors	8hrs a day	head & body injuries	Report deffective lights and employees are provided with torches	2	B	IV	Fully effective		inspection and supervision		Environmental regulation for work places section 5			
Trunnion unit and roller assembly refurbishment and accident	R	1	Exposure to noise	1a	NIHL	Health	using impact wrenches and other heavy duty tools	employees	Milling pant Manager and Supervisors	8hrs a day	hearing loss	Noise survey/ medical surveillance and Hearing protection device (Ear Plugs, Ear Muffs, Variphones/Noise Bar)	4	C	II	Mostly effective	Noise surveys to be conducted	supervision and measurement	Mdu Ngwane	OHSAct section 8,Noise Induced Hearing Loss Regulation		Pending	
		2	Poor Housekeeping	2a	Slip,trip and fall	Safety	forring objects lying around	employees	Milling pant Manager and Supervisors	8hrs a day	head & body injuries and fatality	maintain good house keeping before and after the job is done	2	B	IV	Fully effective		inspection and supervision		Environmental regulation for work places section 5			
		3	moving forklift and crane	3a	injury,Struck by	Safety	using forklift to carry heavy objects	employees	Milling pant Manager and Supervisors	8hrs a day	body injuries & fructure and plant damage and fatality.	Competent person for driving forklift Designatede area for forklift	2	B	IV	Fully effective		inspection and supervision		Driven machinery regulation			
		4	Heavy material	4a	Injury	Safety	lifting of heavy spares	employees	Milling pant Manager and Supervisors	8hrs a day	Musculoskeletal disorder	ask someone to assist you,use your legs as support not your back	3	A	IV	Fully effective		inspection and supervision		OHS Act 85 of 1993, General Safety Regulations and General Machinery Regulations,1988 framed under OHS Act 85 of 1993,Section 8 Eskom 32-727 SHEQ Policy, Eskom Life Saving Rules, Eskom 32-520 Risk Assessment Procedure			
		5	Nip points	5a	Cut by/caught between/ pinched by	Safety	Sharp objects	employees	Milling pant Manager and Supervisors	8hrs a day	fingers or hand amputated and fracture	Do not align holes using fingers ,Wearing of gloves	2	B	IV	Fully effective		inspection and supervision		Environmental regulation for work places section 5			
		6	Hazardous chemicals(kerosene)	6a		Safety	skin contact when cleaning the equipment	employees	Milling pant Manager and Supervisors	8hrs a day	Skin irritation and damage	Material safety data sheet,Wear Oil-Resistant Gloves	3	B	III	Mostly effective	Material safety data sheet To be discussed with the employees	inspection and supervision		OHSAct section 8,Hazardous chemical chemical substance			
		7	Slippery surface	7a	injury by,sliping,triping and falling	Safety	water,poor housekeeping	employees	Milling pant Manager and Supervisors	8hrs a day	body injuries & fructure and plant damage and fatality.	maintain good house keeping before and after the job is done	2	B	IV	Fully effective		inspection and supervision		Environmental regulation for work places section 5			
		8	Electrical equipment	8a	injury & damage to plant	Safety	electric shock due to deffective cables	employees	Milling pant Manager and Supervisors	8hrs a day	3rd degree burn,fatality	Report defective electrical cables conduct regular electrical equipment inspection.Adhere to inspection and replace /repair defective electrical equipment	3	A	IV	Fully effective		inspection and supervision		Lifesaving rule,Electrical machinery regulation			
		9	Compressed air	9a	injury,Struck by	Safety	Hit by air hose when Tightening the mill with impact using the compressed air	employees	Milling pant Manager and Supervisors	8hrs a day	head & body injuries and fatality	Secure air hose when working,replace damage air pipes	2	B	IV	Fully effective		inspection and supervision		Pressure equipment regulation			
		10	bearing heater	10a	Injury	Safety	contact with hot bearing	employees	Milling pant Manager and Supervisors	8hrs a day	3rd degree burn	Wearing of gloves	2	B	IV	Fully effective		inspection and supervision		Environmental regulation for work places section 5			
		11	bearing puller	11a	Injury	Safety	caught by/pinched by when removing the bearing	employees	Milling pant Manager and Supervisors	8hrs a day	hand injuries	Ask someone to assist you,Wearing of gloves	2	B	IV	Fully effective		inspection and supervision		Environmental regulation for work places section 5			
U1 - U6 inspections on top of classifiers	R	1	Hot PF	1a	injury	Safety	Burn from hot leaking PF	employees	Milling pant Manager and Supervisors	1 hr per day	3dr degree burns on the body	Clean PF accumulated and maintenance to repai defect, adhere to FFFR. Once mill is off it must cooldown for about 5 hrs for OPS to do the cleaning and Maintenance to repair the defect	4	C	II	Mostly effective		inspection and supervision		OHSAct section 8,Hazardous chemical chemical substance regulation			
		2	working at height	2a	injury	Safety	Trip and fall from heights	employees	Milling pant Manager and Supervisors	8hrs a day	head & body injuries and fatality	Hook up at height and maintain good housekeeping	2	B	IV	Fully effective				Construction regulation 10(2) Working at height procedure 32-418			
		3	Exposure to noise	3a	NIHL	Health	Running plant	employees	Milling pant Manager and Supervisors	8hrs a day	hearing loss	Noise survey/ medical surveillance and Hearing protection device (Ear Plugs, Ear Muffs, Variphones/Noise Bar)	4	C	II	Mostly effective	Noise surveys to be conducted	supervision and measurement	Mdu Ngwane	OHSAct section 8,Noise Induced Hearing Loss Regulation		Pending	
		4	Dust	4a	eye injury	Safety	Pf leaks,running plant	employees	Milling pant Manager and Supervisors	8hrs a day	Eye injuries	Report Pf leakes , Wear eye protection	2	C	III	Fully effective				OHSAct section 8,Hazardous chemical chemical substance regulation			
				4b	Dust inhalation	Health	Pf leaks,running plant	employees	Milling pant Manager and Supervisors	8hrs a day	Lung infection	Report Pf leakes,Medical surveillance,Wearing dust mask	3	C	II	Mostly effective	Dust monitoring and Dust Awareness	supervision,monitoring and inspections and fix of leaks	safety department	OHSAct section 8,Hazardous chemical chemical substance regulation			
U1-6 Milling plant activities	R	1	Dangerous gases or fumes	1a	Injury:gas inhalation	Health	Gas emissions	employees	Milling pant Manager and Supervisors	8hrs a day	Lung infection/Lung diseases	Continue used gas monitoring,RP to always in possession of gas monitoring device. If there is gas emissions,stop the work until the area is safe to work on	4	C	II	Mostly effective		Supervision	RP/Supervisor	OHSAct section 8,Hazardous chemical chemical substance regulation			
Eskom pool car	R	1	Accidents	1A	Injury, property damage & Fatality	Safety	Third party vehicles, Road & weather conditions	employees	Milling pant Manager and Supervisors	Daily	Fracture Injuries, property damage (Eskom/third party) & Fatality	Daily vehicle inspection & drive vigilant.	2	B	IV	Mostly effective	• Administrative controls o Adherence to driver & vehicle mangement procedure	Vehicle inspection sheet & maintain speed limits	Driver/Supervisor	o OSH ACT o Lifesaving rule o Driver & Vehicle management procedure	On-going	On-going	
		2	Accidents	1B	Injury, property damage & Fatality		Stray animals, Road & weather conditions	employees	Milling pant Manager and Supervisors	Daily	Fracture Injuries, property damage (Eskom/third party) & Fatality	Vigilant while driving		B		Mostly effective	• Administrative controls o Adherence to driver & vehicle mangement procedure	maintain speed limits	Driver/Supervisor	o OSH ACT o Lifesaving rule o Driver & Vehicle management procedure	On-going	On-going	
Eskom standby car	R	1	Accidents and third party	1A	Injury, property damage (Eskom/third party) & Fatality	Safety	Fatigue, animals, driving at night, road & weather conditions	employees	Milling pant Manager and Supervisors	Daily	Fracture Injuries, property damage (Eskom/third party) & Fatality	Daily vehicle inspection, drive vigilant, enough rest period(if you feel exhausted stop and rest somewhere safe) & be aware of animals.	2	B	IV	Mostly effective	• Elimination o None • Substitution o None • Engineering controls o None • Administrative controls o Adherence to driver & vehicle mangement procedure • Personal protective equipment (PPE) o None	Vehicle inspection sheet & maintain speed limits	Driver/Supervisor	o OSH ACT o Lifesaving rule o Driver & Vehicle management procedure	On-going	On-going	
		2	Accidents	1B	Injury, property damage (Eskom/third party) & Fatality	Safety	Animals; road conditions	employees	Milling pant Manager and Supervisors	Daily	Fracture Injuries, property damage (Eskom/third party) & Fatality	Drive vigilant, beware of stray animals		B		Mostly effective	• Elimination o None • Substitution o None • Engineering controls o None • Administrative controls o Adherence to driver & vehicle mangement procedure • Personal protective equipment (PPE) o None						
Executing work at Arnot Power Station	R	1	Bulling	1	Physical and verbal confrontational	Health	Lack of understanding between employees	employees	Milling pant Manager and Supervisors	Daily	Physical Injuries and Stress	• Elimination o None • Substitution o None • Engineering controls o None • Administrative controls o Awareness o Employee assistance programme o Departmental workteam Session o Organised labour • Personal protective equipment (PPE) o None	4	C	II	Mostly effective	• Elimination o None • Substitution o None • Engineering controls o None • Administrative controls o Adherence to Human Resource procedure • Personal protective equipment (PPE) o None	• Number of grievance cases from industrial relations office	Line Management	•Labour relations act •Occupational health and safety act (85 of 1993) •Eskom condition of service	On-going	On-going	N/A
	R	2	Victimisation	2	Physical and verbal confrontational	Health	Lack of understanding between employees	employees	Milling pant Manager and Supervisors	Daily	Physical Injuries and Stress	• Elimination o None • Substitution o None • Engineering controls o None • Administrative controls o Awareness o Employee assistance programme o Departmental workteam Session o Organised labour • Personal protective equipment (PPE) o None	4	C	II	Mostly effective	• Elimination o None • Substitution o None • Engineering controls o None • Administrative controls o Adherence to Human Resource procedure • Personal protective equipment (PPE) o None	• Number of grievance cases from industrial relations office	Line Management	•Labour relations act •Occupational health and safety act (85 of 1993) •Eskom condition of service	On-going	On-going	N/A
	R	3	Workload	3	Wearing off due to tiredness	Health	Lack of work planning and understaff	employees	Milling pant Manager and Supervisors	Daily	Physical Injuries (Strains and Sprains)	• Elimination o None • Substitution o None • Engineering controls o None • Administrative controls o Awareness o Employee assistance programme o Departmental workteam Session o Organised labour • Personal protective equipment (PPE) o None	4	C	II	Mostly effective	• Elimination o None • Substitution o None • Engineering controls o None • Administrative controls o Adherence to Human Resource procedure • Personal protective equipment (PPE) o None	• Number of grievance cases from industrial relations office	Line Management	•Labour relations act •Occupational health and safety act (85 of 1993) •Eskom condition of service	On-going	On-going	N/A
	R	4	Harassment	4	Physical and verbal confrontational	Health	Lack of understanding between employees	employees	Milling pant Manager and Supervisors	Daily	Physical Injuries and Stress	• Elimination o None • Substitution o None • Engineering controls o None • Administrative controls o Awareness o Employee assistance programme o Departmental workteam Session o Organised labour • Personal protective equipment (PPE) o None	4	C	II	Mostly effective	• Elimination o None • Substitution o None • Engineering controls o None • Administrative controls o Adherence to Human Resource procedure • Personal protective equipment (PPE) o None	• Number of grievance cases from industrial relations office	Line Management	•Labour relations act •Occupational health and safety act (85 of 1993) •Eskom condition of service	On-going	On-going	N/A
COVID 19	R	4	Coming to work (gatherings). Being in contact with an infected person.	4	Illness or death	Health	COVID 19 Infection	employees	SHEQ Manager and HR Manager	Daily	Illness and fatalities	• Elimination o None • Substitution o None • Administrative controls o Covid 19 Awareness o Covid 19 Policy o Social distancing & demarcation o Station fumigation & use of sanitizer o Health & safety inspection o Covid posters • Personal protective equipment o Cloth mask	5	E		Mostly effective	• Minimize stuff to 50% • Temperature scan at the gate	• Health & safety inspection • Audits (External & Internal)	Line Management	Acts • OHS ACT (85 0f 1993) • Covid 19 health & safety measure for workplace. • Health act • World Health Organization • Disaster management act Procedures • Refusal to work • Eskom SHEQ Policy • Covid 19 Policy	On-going	Continuous action	N/A
U1 screw conveyor and classifiers maintenance	R	1	Hot PF	1a	injury	Safety	Burn from hot leaking PF	employees	Milling pant Manager and Supervisors	1 hr per day	3dr degree burns on the body	Clean PF accumulated and maintenance to repai defect, adhere to FFFR. Once mill is off it must cooldown for about 5 hrs for OPS to do the cleaning and Maintenance to repair the defect	4	C	II	Mostly effective		inspection and supervision		OHSAct section 8,Hazardous chemical chemical substance regulation			
		2	working at height	2a	injury	Safety	Trip and fall from heights	employees	Milling pant Manager and Supervisors	8hrs a day	head & body injuries and fatality	Hook up at height and maintain good housekeeping	2	B	IV	Fully effective				Construction regulation 10(2) Working at height procedure 32-418			
		3	Exposure to noise	3a	NIHL	Health	Running plant	employees	Milling pant Manager and Supervisors	8hrs a day	hearing loss	Noise survey/ medical surveillance and Hearing protection device (Ear Plugs, Ear Muffs, Variphones/Noise Bar)	4	C	II	Mostly effective	Noise surveys to be conducted	supervision and measurement	Mdu Ngwane	OHSAct section 8,Noise Induced Hearing Loss Regulation		Pending	
		4	Dust	4a	eye injury	Safety	Pf leaks,running plant	employees	Milling pant Manager and Supervisors	8hrs a day	Eye injuries	Report Pf leakes , Wear eye protection	2	C	III	Fully effective				OHSAct section 8,Hazardous chemical chemical substance			
				4b	Dust inhalation	Health	Pf leaks,running plant	employees	Milling pant Manager and Supervisors	8hrs a day	Lung infection	Report Pf leakes,Medical surveillance,Wearing dust mask	3	C	II	Mostly effective	Dust monitoring and Dust Awareness	supervision,monitoring and inspections and fix of leaks	safety department	OHSAct section 8,Hazardous chemical chemical substance regulation			

Name & Surname of the approver	Mduduzi Ngwane
Signature	
Date of approval: 28 February 2022	