

Occupational Health and Safety Baseline risk assessment - Road Rehabilitation Works of Existing Gravel Road at Sere Wind Farm

Business/Operating unit:	Sere Wind Farm		Next Review Date (every 2 years):	Template 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	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 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: - <u>Preventative Controls</u> (controls implemented to eliminate hazards or reduce the likelihood of the risk occurring), and - <u>Reactive Controls</u> (controls implemented to reduce the immediate impact of the risk 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.
	Use of rolling and blading machine	Stone chips, soil particles could fly into eyes, musculoskeletal injuries, NIHL, WRULD, being hit by the moving machinery	Safety/health	Fatality	Trained operators, valid medicals, ensure to take regular breaks, ergonomic survey, moving equipment to have reverse siren, PPE(safety boots, eye protection, hearing protection, overalls)	5	C	II	Fully effective	Supervisor/Manager	OHS Act Section 8, 14, GSR2, NIHL Regulations 4,5,7,8 and 12
	Noise	NIHL, tinnitus	Health	Medical	Medical Surveillance, Noise Surveys, Ear plugs, NIHL Awareness	3	B	III	Fully effective	Supervisor/Manager	OHS Act Section 8, 14, GSR 2, NIHL 3, 4, 5, 6, 7, 8, 9 and 10
	Exposure to dust	Lung related illnesses	Health	LTI	Medical Surveillance, dust masks, wet grinding	4	B	III	Fully effective	Supervisor/Manager	OHS Act section 8, 14, GSR 2
	Machinery operated by unauthorised persons	Rolling and blading 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, NIHL Regulations 4,5,7,8 and 12
	Road users exposed to road maintenance activities	Being hit by moving machinery, Stone chips, stones could fly into eyes, vehicle incidents, NIHL	Safety	Fatality	Daily risk assessment, supervision, the contractor to ensure they have a valid traffic control plan in place	5	C	II	Fully effective	Supervisor/Manager	OHS Act Section 8.1, 8.2(i), 14, NIHL Regulations 4,5,7,8 and 12, GSR
	Working under extreme weather conditions	Hyperthermia, heat stress, heat exhaustion, dehydration, colds	Safety	Fatality	Daily risk assessment, supervision, the contractor to ensure they have a valid traffic control plan in place	5	C	II	Fully effective	Supervisor/Manager	OHS Act Section 8.1, 8.2(i), 14, NIHL Regulations 4,5,7,8 and 12, GSR
	Working under extreme weather conditions	Hyperthermia, heat stress, heat exhaustion, dehydration, colds	Health	Medical	Daily risk assessment, weather forecasts, supervisor	3	B	III	Fully effective	Supervisor/Manager	
	Gravel Road Maintenance	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 (spades, wheelbarrows, peaks etc)		Hand tools can pinch the hand, Hand tools could slip off hands while working, they could break while employee is using it.	Safety	Medical	Trained employees, SWP, supervisor, risk assessment, safety gloves and routine tool inspection	3	C	II	Fully effective	Supervisor/Manager	OHS Act Section 8.1 and 8.2(i), 14,

		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, PPE, taking breaks,	4	B	III	Fully effective	Supervisor/Manager	OHS Act Section 8, 14, GSR 2, Ergonomic regs Ergonomic regs 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
	Disposing of rubble	Land pollution, ergonomic risks as a result of lifting heavy rubble	Health/ environmental	LT, land pollution	Dispose off correctly, two-man rule, trained employees, medical surveillance, PPE (safety gloves)	4	B	III	Fully effective	Supervisor/Manager	OHS Act section 8, 14, GSR 2, Waste Management Act
	Refuelling of machinery	Fire outbreaks damaging property and employee burning	Environmental/ Safety	Fatality,medical, environmental impact	before machinery can be refuelled the motor must be stopped, refuelling must be carried out at areas that are safe fir refuelling. Drip trays must be used to prevent spillages at the filling nozzle	4	B	III	Fully effective	Supervisor/Manager	
	Administering first aid	Hepatitis, blood spill	Safety	LTI	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
	Snakes	venomous snake bites	Safety	Fatality	inspect work areas for snakes and you PPE when working on site.	4	C	II	Fully effective	Supervisor/Manager	
	Performing work while under influence of alcohol or illegal drugs	Injuries 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, NICD Act