

Occupational Health and Safety Baseline risk assessment template

Business/Operating unit:	NORTH EAST GRID			Department:	Vegetation Contractor			Next Review Date (every 2 years):	Jul 25		Template identifier:	240-7004602	
Date:	Apr-24			Authorized by:	Name: Thilo Mathiasen Designation: Lines and Services Middle Manager		Signature:	Document identifier:	240-167078774		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)	Hazard 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		
												Consequence	Likelihood	Risk Priority Rating	RCE Risk Control Effectiveness	Risk Owner	
Driving to various sites	R	1	Poor Condition of the vehicles	1.1	Motor Vehicle Accidents, Phone to being hijacked, Robbery, Assaults	Safety	Wear and tear of the vehicle, inadequate maintenance of vehicle	Employees, Contractors, members of the public	Grid Manager	Daily 4+hrs	Public and employee Fatalities, Injuries	Elimination: not possible Substitution: not possible Engineering: not possible Administrative: PPE for inspection, Periodic servicing of vehicles, Driver and safety awareness campaigns	5	C	II	F	contractor
	R	1	Driving behind vehicles with unsecured load	1.2	Motor Vehicle Accidents	Safety	unsecured load falling off the vehicles	Employees, Contractors, members of the public	Grid Manager	Daily 4+hrs	Public and employee Fatalities, Injuries, property damage	Elimination: not possible Substitution: not possible Engineering: not possible Administrative: PPE for inspection, Periodic servicing of vehicles, Driver and safety awareness campaigns	5	C	II	F	contractor
	R	1	Fatigue, stroboscopic effect	1.3	Motor Vehicle Accidents	Safety	Extreme tiredness due to long distance driving without regular breaks	Employees, Contractors, members of the public	Grid Manager	Daily 4+hrs	Fatilities, Injuries, body aches and strains, eyes strain, Property damage	Elimination: not possible Substitution: not possible Engineering: not possible Administrative: Medical Surveillance, Driver and safety awareness campaigns, Short breaks, Resting periods were safe and sleeping over, noise barriers were in place to do so	5	C	II	F	contractor
	R	1	Exposure to adverse weather (condensation, mist/fog, storms, sun glare ect)	1.4	Motor Vehicle Accidents	Safety	Not keeping updated with the changes in weather patterns, inadequate consideration of the weather when planning for work, Disregard of business communication regarding the weather lack of driver experience.	Employees, Contractors, members of the public	Grid Manager	Daily 4+hrs	Public and employee Fatalities, Injuries, Property damage	Elimination: not possible Substitution: not possible Engineering: not possible Administrative: continuous driver risk assessment and adjust speed and following distances as per prevailing weather condition, Drivers to be cautious when driving in an adverse weather condition, checking of weather forecast, Not to drive in rainy conditions, Sleep over for long distance travels prior to appointment PPE: not possible	5	C	II	F	contractor
	R	1	Poor road conditions	1.5	Motor vehicle accidents	Safety	Poor road maintenance (Uneven, damaged and gravel road conditions)	Employees, Contractors, members of the public	Grid Manager	Daily 4+hrs	Public and employee Fatalities, Injuries, Property damage	Elimination: not possible Substitution: not possible Engineering: not possible Administrative: Continuous driver risk assessment and adjust speed as per prevailing road conditions, Adhere to road warning signs, Drive and safety awareness campaigns	5	C	II	F	contractor
	R	1	Driver Distraction/ use of cell phone, eating, applying make up, load music, ect.)	1.6	Motor Vehicle Accidents, Phone to being hijacked, Robbery, Assaults	Safety	Usage of cellphones while driving, applying make up in the car, eating while driving, distracting passengers, Loss of focus and concentration, being stressed, Driver attitude and behaviour, loose items in the vehicle	Employees, Contractors, members of the public	Grid Manager	Daily 4+hrs	Public and employee Fatalities, Injuries, Property damage	Elimination: not possible Substitution: not possible Engineering: not possible Administrative: Driver safety awareness, open communication with the manager/supervisor, driver risk assessment, remove cellphone within your reach, continuous driver observation.	5	C	II	F	contractor
	R	1	Bad Driver behaviour (employees and third parties)	1.7	Motor Vehicle Accidents, Road rage, Phone to being assaulted	Safety	Disregard of road rules, bad Driver attitude, Driving under the influence of intoxication, being stressed	Employees, Contractors, members of the public	Grid Manager	Daily 4+hrs	Fatilities, Injuries, Property damage	Elimination: not possible Substitution: not possible Engineering: not possible Administrative: monitoring of the driver behaviour and coaching, open communication	5	C	II	F	contractor
	R	1	Reversing in the vicinity of structures	1.8	Bumping into structures	Safety	Poor observation, vehicles not fitted with reverse sensors	Employees, Contractors, members of the public	Grid Manager	Daily 4+hrs	Fatilities, Injuries, Property damage	Elimination: not possible Substitution: not possible Engineering: not possible Administrative: Vehicle safety campaigns, driver competency and coaching	2	C	III	F	contractor
	N	1	Unoccupied idling vehicle	1.9	Bumping into structures	Safety	Not fully engaging the handbrake	Employees, Contractors, members of the public	Grid Manager	Daily 4+hrs	Fatilities, Injuries, Property damage	Elimination: not possible Substitution: not possible Engineering: not possible Administrative: Vehicle safety campaigns, driver competency and coaching	4	C	II	F	contractor
	N	1	Over-speeding	1.10	Motor vehicle accident	Safety	Disregard of road rules, bad Driver attitude, Driving under the influence of intoxication, being stressed	Employees, Contractors, members of the public	Grid Manager	Daily 4+hrs	Fatilities, Injuries, Property damage	Elimination: not possible Substitution: not possible Engineering: not possible Administrative: Vehicle safety campaigns, driver competency and coaching	5	C	I	ME	contractor
Vegetation Management (Grass cutting, Bush clearing, Roads Fire Management & Tree felling)	R	5	Incorrect use of Chainsaw/Brush cutter	5.1	Cuts, Exposure to noise during operation, Fire, Muscle Strain and Infection, absorption of petrol vapours during refuelling and use of the chain saw	Safety	Failure to adhere to OEM standards, Lack of Supervision, Failure to use correct PPE & Not trained and declared competent/person from hot Machine blades, Explosion from incorrect storage, Over exposed to the machine.	Employees & Contractors	Grid Manager	6 hrs Daily	hand and back Injuries/cuts, hearing loss temporary or permanent	Elimination: not possible Substitution: not possible Engineering: not possible Administrative: Equipment and PPE inspections before use, pre task risk assessment, PPE Establishment, training and authorization for equipment usage, PPE: Overall, gloves, safety boots, hard hat	3	C	II	ME	contractor
	R	7	Exposure to herbicides	7.1	Respiratory Irritation, drowsiness, Skin & Eyes Irritation	Health	Inadequate risk assessment, Failure to use correct PPE, Lack of supervision, Use of chemicals without reading MSDS	Employees & Contractors	Grid Manager	6 hrs Daily	skin rashes, coughing, sneezing, drowsiness and headache.	Elimination: not possible Substitution: not possible Engineering: not possible Administrative: Only a PCD license holder is Authorized for the application of the Herbicide, PPE Overall, gloves, safety boots, hard hat, respirator.	5	B	II	F	
Lifting of equipment	R	8	Incorrect Lifting of equipment	8.1	Muscle Strain	Health	Incorrect handling of the equipment, Failure to adhere to OEM standards	Employees & Contractors	Grid Manager	6 hrs Daily	Head Injuries	Elimination: not possible Substitution: not possible Engineering: not possible Administrative: awareness on correct use of lifting techniques, awareness on OEM PPE task risk assessment PPE Overall, gloves, safety boots, hard hat	2	B	IV	F	contractor

All employees are exposed

	R	8	Exposure to poisonous Snakes, Bees, Animals	8.2	Bites, Sting, Injuries	Provoking, Lack of training or awareness	Employees & Contractors	Grid Manager	6 hrs Daily	Fatality or life-threatening health effects	Elimination: not possible Substitution: not possible Engineering: not possible Administrative PPE Overall: gloves, safety boots, hard hat	3	A	IV	F	
Working at waterlogged vegetat	R	9	Exposure to stagnant water	9.1	Drowning	Inadequate risk assessment, Failure to use correct PPE, Lack of supervision	Contractors	Grid Manager	6 hrs Daily	Fatality or life-threatening health effects	Elimination: not possible Substitution: not possible Engineering: not possible Administrative Basic diving training, Method statements, Supervision PPE Overall: gloves, safety boots, hard hat, life jackets.	4	A	IV	F	
		10	Exposure to live Electricity	10.1	Electrocution	Failure to comply with the ORHVS	Employees & Contractors	Grid Manager	6 hrs Daily	Fatality/Disability	Elimination: not possible Substitution: not possible Engineering: not possible Administrative Medical Surveillance, Training, Supervision ORHVS authorisations PPE Overall: gloves, safety boots, hard hat	5	C	II	F	contractor
Exposure To Blasting	R	15	Dust Inhalation	15.1	Irritation of the respiratory tract	dust from the blasted rocks	Employees	Grid Manager	Weekly 5hrs	Irritation of the respiratory tract	Elimination: not possible Substitution: not possible Engineering: not possible Administrative Pre task risk assessment to medical surveillance program PPE Wearing of a Dust Mask	3	D	II	F	
	R	15	Flying and falling objects	15.2	Injury to personnel/damage to property	shattering of the rocks	Employees	Grid Manager	Weekly 5hrs	Injuries/damage to property	Elimination: not possible Substitution: not possible Engineering: not possible Administrative Pre task risk assessment to medical surveillance program Maintain safe working distance PPE Overall: gloves, safety boots, hard hat	2	D	II	F	contractor

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