

Occupational Health and Safety Baseline risk assessment template											
Business/Operating unit:	Generation				Supply and delivery projects				Next Review Date (every 2 years):	Template identifier: 240-7004602	
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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	Legal and Other Requirements
						Consequence	Likelihood		RCE Risk Control Effectiveness		
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)						
Driving/ Travelling on Road	Fatigue	Falling asleep while driving.	Safety	Motor vehicle Accidents, Injuries (LTI, medicals), Fatalities	Contractor to ensure compliance on all the legal requirements (e.g National Road traffic Act) and Eskom OHS requirements (e.g Driver and vehicle safety procedure) Contractor to develop fatigue management plan.	3	B	III	Fully effective	Contractor	OHS ACT 85 of 1993, National Road Traffic Act 93 of 1996
	Mechanical failures	Defective Vehicle	Safety	Motor vehicle Accidents, Injuries (LTI, medicals), Fatalities	Contractor to ensure compliance on all the legal requirements (e.g National Road traffic Act) and Eskom OHS requirements (e.g Driver and vehicle safety procedure) Contractor to develop fatigue management plan.	2	A	IV	Fully effective	Contractor	OHS ACT 85 of 1993, National Road Traffic Act 93 of 1997
	Wild/stray animals	Hitting a straying animal	Safety	Motor vehicle Accidents, Injuries (LTI, medicals), Fatalities	Contractor to ensure compliance on all the legal requirements (e.g National Road traffic Act) and Eskom OHS requirements (e.g Driver and vehicle safety procedure) Contractor to develop fatigue management plan.	2	A	IV	Fully effective	Contractor	OHS ACT 85 of 1993, National Road Traffic Act 93 of 1998
	Over speeding	Collision, losing control of the vehicle, unable to stop in time	Safety	Motor vehicle Accidents, Injuries (LTI, medicals), Fatalities	Contractor to ensure compliance on all the legal requirements (e.g National Road traffic Act) and Eskom OHS requirements (e.g Driver and vehicle safety procedure) Contractor to develop fatigue management plan.	4	B	III	Fully effective	Contractor	OHS ACT 85 of 1993, National Road Traffic Act 93 of 1999
	Exposure to Hijacking/ robbery at site	Possible assault, rape, stress, trauma, being shot	Safety	Motor vehicle Accidents, Injuries (LTI, medicals), Fatalities	Contractor to ensure compliance on all the legal requirements (e.g National Road traffic Act) and Eskom OHS requirements (e.g Driver and vehicle safety procedure) Contractor to develop fatigue management plan.	3	B	III	Fully effective	Contractor	OHS ACT 85 of 1993, National Road Traffic Act 93 of 2000
	Poor Road conditions (e.g Potholes)	Possible puncture or damage to the vehicle tyre	Safety	Motor vehicle Accidents, Injuries (LTI, medicals), Fatalities	Contractor to ensure compliance on all the legal requirements (e.g National Road traffic Act) and Eskom OHS requirements (e.g Driver and vehicle safety procedure) Contractor to develop fatigue management plan.	3	B	III	Fully effective	Contractor	OHS ACT 85 of 1993, National Road Traffic Act 93 of 2001
	Adverse weather conditions (Fog, Heavy rain, hail storm, heavy winds)	Vehicle collisions, hypothermia,	Safety & Health	Motor vehicle Accidents, Injuries (LTI, medicals), Fatalities	Contractor to ensure compliance on all the legal requirements (e.g National Road traffic Act) and Eskom OHS requirements (e.g Driver and vehicle safety procedure) Contractor to develop fatigue management plan.	3	B	III	Fully effective	Contractor	OHS ACT 85 of 1993, National Road Traffic Act 93 of 2003
	Poorly Maintained Gravel Road	Vehicle slipping and capsizing	Safety	Motor vehicle Accidents, Injuries (LTI, medicals), Fatalities	Contractor to ensure compliance on all the legal requirements (e.g National Road traffic Act) and Eskom OHS requirements (e.g Driver and vehicle safety procedure) Contractor to develop fatigue management plan.	3	B	III	Fully effective	Contractor	OHS ACT 85 of 1993, National Road Traffic Act 93 of 2004
	Pedestrians crossing the road	Hitting a straying animal	Safety	Motor vehicle Accidents, Injuries (LTI, medicals), Fatalities	Contractor to ensure compliance on all the legal requirements (e.g National Road traffic Act) and Eskom OHS requirements (e.g Driver and vehicle safety procedure) Contractor to develop fatigue management plan.	2	B	IV	Fully effective	Contractor	OHS ACT 85 of 1993, National Road Traffic Act 93 of 2005

	Other negligent road users	Colliding with other vehicles	Safety	Motor vehicle Accidents, Injuries (LTI, medicals), Fatalities	Contractor to ensure compliance on all the legal requirements (e.g National Road traffic Act) and Eskom OHS requirements (e.g Driver and vehicle safety procedure) Contractor to develop fatigue management plan	3	B	III	Fully effective	Contractor	OHS ACT 85 of 1993, National Road Traffic Act 93 of 2006
	Unsafe driving	causing an accident (Collision, losing control of vehicles)	Safety	Motor vehicle Accidents, Injuries (LTI, medicals), Fatalities	Contractor to ensure compliance on all the legal requirements (e.g National Road traffic Act) and Eskom OHS requirements (e.g Driver and vehicle safety procedure) Contractor to develop fatigue management plan	3	B	III	Fully effective	Contractor	OHS ACT 85 of 1993, National Road Traffic Act 93 of 2007
	Night driving	Being involved in an accident (Collision, hitting pedestrians, hitting straying animals etc.)	Safety	Motor vehicle Accidents, Injuries (LTI, medicals), Fatalities	Contractor to ensure compliance on all the legal requirements (e.g National Road traffic Act) and Eskom OHS requirements (e.g Driver and vehicle safety procedure) Contractor to develop fatigue management plan	3	B	III	Fully effective	Contractor	OHS ACT 85 of 1993, National Road Traffic Act 93 of 2008
	Unroadworthy vehicle	Vehicle Breakdown or parts failure	Safety	Motor vehicle Accidents, Injuries (LTI, medicals), Fatalities	Contractor to ensure compliance on all the legal requirements (e.g National Road traffic Act) and Eskom OHS requirements (e.g Driver and vehicle safety procedure) Contractor to develop fatigue management plan	3	B	III	Fully effective	Contractor	OHS ACT 85 of 1993, National Road Traffic Act 93 of 2009
	Road Works	Vehicle Collision	Safety	Motor vehicle Accidents, Injuries (LTI, medicals), Fatalities	Contractor to ensure compliance on all the legal requirements (e.g National Road traffic Act) and Eskom OHS requirements (e.g Driver and vehicle safety procedure) Contractor to develop fatigue management plan	2	B	IV	Fully effective	Contractor	OHS ACT 85 of 1993, National Road Traffic Act 93 of 2010
	Driving through a herd of cattle	Damage to vehicle	Safety	Possible damage to vehicle, injury	Contractor to ensure compliance on all the legal requirements (e.g National Road traffic Act) and Eskom OHS requirements (e.g Driver and vehicle safety procedure) Contractor to develop fatigue management plan	2	A	IV	Fully effective	Contractor	OHS ACT 85 of 1993, National Road Traffic Act 93 of 2011
	Travelling in areas where there are protests	Loss of control of the vehicle	Safety	Possible damage to vehicle, injury and fatality	Contractor to ensure compliance on all the legal requirements (e.g National Road traffic Act) and Eskom OHS requirements (e.g Driver and vehicle safety procedure) Contractor to develop fatigue management plan	3	B	III	Mostly effective	Contractor	OHS ACT 85 of 1993, National Road Traffic Act 93 of 2012
	Driving below the bridges during flash floods	Loss of control of the vehicle	Safety	Possible damage to vehicle and/or injury/fatality	Contractor to ensure compliance on all the legal requirements (e.g National Road traffic Act) and Eskom OHS requirements (e.g Driver and vehicle safety procedure) Contractor to develop fatigue management plan	4	B	III	Mostly effective	Contractor	OHS ACT 85 of 1993, National Road Traffic Act 93 of 2013
	Site access	Unauthorised person entering	Safety	Possible injuries	OHS File Evaluation before commencement or entering the Eskom site. Site specific SHE induction. Reporting to security for access.	3	B	III	Mostly effective	Contractor	OHS ACT 85 of 1993, Eskom live saving rules and other relevant procedures
Offloading on Eskom site/Power Station	Ash Dust	Employees may be exposed to ash dust from the nearing plants or during windy season	Health	HealthRespiratory and lung infections and/or eye irritation	Wearing of dust masks FFP2 & FFP3 is mandatory, hazard awareness and induction	3	B	III	Mostly effective	Contractor and Client	OHSAct sec 13, Hazardous Chemical Substance Regulations, Annexure1-36Moving
		Employees may be exposed to ash dust from the nearing plants or during windy season while driving around the station with the window down	Safety	Poor visibility , leading vehicle accidents, also pedestrian incident	Adhere to safe driving speed limits, hazard awareness and safety induction, Windows to be closed should there be visible dust whilst driving.	3	B	III	Mostly effective	Contractor and Client	OHSAct sec 13, Hazardous Chemical Substance Regulations, Annexure1-36Moving
	Coal Dust	Employees may be exposed to coal dust from the nearing plants mainly terrace bin	Health	Lung infection that could result with silicosis, eye infection, nasal irritation, skin irritation	Wearing of dust masks FFP2 & FFP3 is mandatory, hazard awareness and induction	3	B	III	Mostly effective	Contractor and Client	OHSAct sec 13, Hazardous Chemical Substance Regulations, Annexure1-36Moving
	Use of lifting equipment (fork lifts/crane)	Employees may be exposed to falling loads , struck by moving machinerySafety	Safety	Injuries	Lifting equipment to be operated only by Eskom trained personnel, maintenance of the equipment, hazard awareness and communication during operation	3	B	III	Mostly effective	Contractor and Client	OHSAct sec 13,Environmental Regulations in workplaces, Driven Machinery Regulations
		Falling objects	Safety	Fracture, injuries	Required PPE to be worn i.e hard hat, safety shoes. Risk assessment, Supervision.	3	B	III	Mostly effective	Contractor and Client	OHSAct sec 13
	COVID 19	contracting the Corona Virus, infecting others if already infected.	Health	Infection, displaying flu-like symptoms and fever, death.	COVID 19 infection awareness, wearing of masks, Sanitising, Observing Covid 19 protocols	3	B	III	Mostly effective	Contractor and Client	Disaster Management Act, 2002 (Act 57 of 2002)
	Pinch and nip points	Caught in between	Safety	Injuries	Required PPE i.e gloves, Risk assessment, Supervision	3	B	III	Mostly effective	Contractor and Client	OHSAct sec 13
	Manual handling	Lifting of heavy equipment by hands , falling loads	Safety	Back injuries, sprains and strains,soft-tissue injuro to wrists, arms, shoulders, neck or legs.	Mechanical lifting should be used if items are too heavy to lift/carry manually,hazard awareness employing correct handling techniques.	3	B	III	Mostly effective	Contractor and Client	OHSAct sec 13,Environmental Regulations in workplaces, Driven Machinery Regulations 18, Work instruction * 1029635, Ergonomics regulations 2019