



Covid-19 Baseline Risk Assessment

Issued on behalf of the Client: City Of Cape Town

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Project name:		Cleaning of sewer infrastructure by mechanical means						Review date:			28-Jun-21		
Date:		28 June 2021						Prepared by:			Llewellyn Willemsse		
Task/ Activity	Hazard	Undesirable Event (Provide description)	Cause (Unsafe Act or Condition)	Consequences (Injury, illness and Property Damage etc.)	S H E	NORMAL	ABNORMAL	EMERGENCY	Inherent Risk			Critical Control Measures	Responsible Person
									Probability	Severity	Risk Rating		

Each Contractor is to appoint a Covid-19 Control Officer (CCO) as per Chapter 3, section 16(6) of the Disaster Management Act as amended and promulgated on 29th April 2020, to compile a site specific Covid-19 Risk Assessment and Workplace Plan, oversee the implementation of said plan, adherence to health protocols relating to Covid-19 at the workplace and compliance with all regulations as issued by the government for the duration of the Covid-19 pandemic.

Travelling to site	Employees sitting close to each other	Spreading or coming into contact with infected droplets	Unsafe act Unsafe condition	Infection with corona virus	H	X			P5	I3	L1	<ul style="list-style-type: none"> Social distancing of minimum 1.5m Training, communication and awareness regarding social distancing when travelling. Compliance with Covid-19 travel and lockdown regulations Develop a Covid-19 Method statement, Risk Assessment and safeworking procedure for travel Revise Health and Safety Plan to include response to Covid-19 risk Frequent sanitising of hands with sanitiser containing minimum of 70% alcohol Maximum occupancy of 70% of vehicle capacity Wearing of face masks 	Principal Contractor CCO
	Employees travelling to site using public transport	Spreading or coming into contact with infected droplets	Unsafe condition Unsafe act	Infection with corona virus	H	X			P5	I3	L1	<ul style="list-style-type: none"> Social distancing of minimum 1.5m Training, communication and awareness regarding social distancing when travelling. Develop a Covid-19 Method statement, Risk Assessment and safeworking procedure for travel on public transport Revise Health and Safety Plan to include response to Covid-19 risk Wearing of face masks Frequent sanitising of hands with sanitiser containing minimum of 70% alcohol Maximum occupancy of 70% of vehicle capacity Select operators compliant with Covid-19 requirements and regulations 	Principal Contractor CCO
												Social distancing of minimum 1.5m	

Employees not wearing face masks	Spreading infected droplets Infected droplets entering employees mouth and nose	Unsafe act	Infection with corona virus	H	X			P5	I3	L1	<table border="1"> <tr> <td>Training, communication and awareness regarding social distancing when travelling</td> </tr> <tr> <td>Wearing of face masks</td> </tr> <tr> <td>Compliance with Covid-19 travel and lockdown regulations</td> </tr> <tr> <td>Develop a Covid-19 Method statement and Risk Assessment and safeworking procedures.</td> </tr> <tr> <td>Revise Health and Safety Plan to include response to Covid-19 risk</td> </tr> </table>	Training, communication and awareness regarding social distancing when travelling	Wearing of face masks	Compliance with Covid-19 travel and lockdown regulations	Develop a Covid-19 Method statement and Risk Assessment and safeworking procedures.	Revise Health and Safety Plan to include response to Covid-19 risk	Principal Contractor CCO
Training, communication and awareness regarding social distancing when travelling																	
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Revise Health and Safety Plan to include response to Covid-19 risk																	

	Employees not having access to hand sanitizer	Employee touches an infected substance or object Infected persons contaminates surfaces	Unsafe condition	Infection with corona virus	H	X			P5	I3	L1	Company and public transport must be provided with hand sanitizers for employees to use when embarking, en-route and when disembarking. Compliance with Covid-19 travel and lockdown regulations Develop a Covid-19 Method statement and Risk Assessment and safeworking procedures. Select operators compliant with Covid-19 requirements and regulations Revise Health and Safety Plan to include response to Covid-19 risk	Principal Contractor CCO
Site Access and Egress	Insufficient space for employees to exercise social distancing of 1.5-2 meters Employees not maintaining social distancing	Infection of other employees	Unsafe act Unsafe condition	Infection with corona virus	H	X			P5	I3	L1	Demarcated site access waiting area with 1.5m social distancing markers Develop a Covid-19 Access Method statement and Risk Assessment and safeworking procedure Staggered starting times if insufficient space for required social distancing is available Revise Health and Safety Plan to include response to Covid-19 risk with respect to social distancing and site access	Principal Contractor CCO
	Employees entering site without screening of body temperature, washing or sanitizing hands	Spreading of the virus to other employees	Unsafe act Unsafe condition	Infection with corona virus	H	X			P5	I3	L1	Suitable and sufficient means for sanitising of persons and personal belongings when accessing the site Compliance with Covid-19 and return to work regulations Hand held non-contact thermometers utilised at the site access point to screen employees body temperatures Develop a Covid-19 Method statement and Risk Assessment and safeworking procedure Training, communication and awareness	Principal Contractor CCO
	Persons leaving the site without washing or sanitising hands and personal belongings	Spreading of the virus to other persons, members of the public and families	Unsafe act	Spread of the corona virus Infection of others with corona virus	H	X			P5	I3	L1	Demarcated site egress waiting area with 1.5m social distancing markers Suitable and sufficient means for sanitising of persons and personal belongings when leaving the site Washing or sanitising of hands before leaving the site to be enforced Use of fresh face mask to be encouraged when leaving the site. If use of a new/fresh mask is not practicable, face masks to be properly sanitised before leaving site Training, communication and awareness	Principal Contractor CCO
													Provision of single use, disposable breathalyser blow pipes

	Breathalysing	Infection of employees due to cross-contamination from breathalyser equipment	Unsafe condition	Infection with corona virus	H	X			P3	I4	L1	<p>Breathalyser unit sanitised after each use and disposal of single-use blow pipes</p> <p>Alcohol Policy amended to cater for Covid-19 risks with respect to breathalysing.</p> <p>Visual monitoring of workers by supervisors and safety teams for signs of intoxication and drug use symptoms</p> <p>Constant Supervision of the Mobile Plant Operators by Supervisory Team and Safety Team including health and safety representative/s for blood shot eyes and reckless driving behaviour</p>	Principal Contractor CCO
	Non-essential visitors and asymptomatic employees entering site	Infection risk of construction workers or the visitor	Unsafe act Unsafe condition	Infection with corona virus Passing on the corona virus	H	X			P5	I3	L1	<p>Access Management Plan that is in line with Covid-19 pandemic must be updated and communicated to all employees including security officers</p> <p>Regular handwashing and wearing of respiratory masks by all employees and visitors to site</p> <p>Screening questionnaires regularly completed</p> <p>Posting of warning and information signage at the gate</p>	Principal Contractor CCO

DSTI and Toolbox talk discussions	Insufficient space for employees to exercise social distancing of 1.5-2 meters Employees not maintaining social distancing	Infection of other employees	Unsafe condition Unsafe act	Infection with corona virus Passing on the corona virus	H	X			P5	I3	L1	Develop a Covid-19 Method statement and Risk Assessment and safeworking procedure	Principal Contractor CCO
												Revise Health and Safety Plan to include response to Covid-19 risk with respect to social distancing	
												Supervisory and Safety team to monitor compliance to social distancing requirements including the wearing of the required PPE	
												Discussion venues enlarged to accommodate maximum occupancy and required social distancing	
												Staggered DSTI and toolbox talk schedules if enlarging venue is not practicable	
												Discussion venues must be well ventilated	
Employees sharing a pen for signing the attendance register	Cross contamination and infection of other employees	Unsafe act Unsafe condition	Infection with corona virus	H	X			P5	I3	L1	Regular handwashing and wearing of face masks by all employees	Principal Contractor CCO	
											Regular training, communication and awareness of transmission of the coronavirus		
											Roll call and attendance register completed by one designated person e.g. SHE Rep		
Administrative/Office work	Unsanitized furniture surfaces and sanitation facilities including door handles, locks and toilets flushers etc	Cross contamination and infection of other employees	Unsafe condition	Infection with corona virus	H	X			P5	I3	L1	Develop a Covid-19 Method statement and Risk Assessment and safeworking procedure that will include personal hygiene and regular disinfecting schedule	Principal Contractor CCO
												Regular training, communication and awareness of transmission of the coronavirus	
												Provide sufficient biological hazard waste bins for hand towels with regular removal and disposal	
												Portable toilets should be avoided where possible. Where used, these should be cleaned and emptied more frequently and sanitised inside at out at least every hour	
												Develop a cleaning schedule to ensure that surfaces of all areas including security guard house is disinfected regularly	
	Employees sitting close to each other during meetings	Transmission of the virus to other employees	Unsafe act Unsafe condition	Infection with corona virus	H	X			P5	I3	L1	Exercise social distancing of 1,5m	Principal Contractor CCO
												Employees must use their individual pens for signing the meeting attendance registers.	
												Provision for staggering meeting times	
	Insufficient supply of water, handwash soap or hand sanitizer in strategic places around the offices	Transmission of the virus to other employees	Unsafe condition	Infection with corona virus	H	X			P5	I3	L1	Fresh water and soap is readily available and always topped up	Principal Contractor CCO
												Additional hand washing facilities to be provided especially on site	
Hand wash facilities and sanitising stations to allow for 1.5m social distancing when in use													

around the offices

Provision of adequate hand sanitizers where soap and water cannot be provided

Employees not adhering to social distancing	Infection of other employees	Unsafe act	Infection with corona virus	H	X				P5	I3	L1	Develop a Covid-19 Method statement and Risk Assessment and safe working procedure	Principal Contractor CCO
												Revise Health and Safety Plan to include response to Covid-19 risk with respect to social distancing	
												Supervisory and Safety team (including safety representatives) to monitor compliance to Covid-19 regulations including the wearing of the required PPE such as face masks and frequent hand sanitising	
												Discussion venues must be well ventilated and allow for 1.5m social distancing at maximum capacity	
												Regular training, communication and awareness via toolbox talks and safety posters	
Sharing of tools, equipment communication radios and other communication tools	Infection of other employees	Unsafe act	Infection with corona virus	H	X				P5	I3	L1	Sharing of tools, equipment, radios and other communication equipment must be prohibited	Principal Contractor CCO
												Radio's must be disinfected before and use.	
												Tools and equipment to be sanitised after each use and before being used by the next employee	
												Regular training, communication and awareness via toolbox talks and safety posters	
Tasks requiring more than 1 person and where social distancing is impossible due to the nature of the work/task/activity;	Infection of other employees	Unsafe condition	Cross contamination and infection with corona virus	H	X				P5	I3	L1	Supervisory and Safety team (including safety representatives) to monitor compliance to Covid-19 workplace plan and safety requirements	Principal Contractor CCO
												Use of required PPE and masks strictly enforced	
												On completion of task, all PPE to be sanitised or replaced where necessary and workers overalls to be sanitised using spray/mist systems	
												On completion of task, workers to wash hands, face, neck and other exposed body parts thoroughly with soap and water before proceeding to next task	
Storeroom issuing tools and equipment that has not been disinfected	Infection of other employees	Unsafe act Unsafe condition	Cross contamination and infection with corona virus	H	X				P5	I3	L1	Work planning to avoid close contact and risk of infection by use of mechanical processes where possible	Principal Contractor CCO
												Storeman to disinfect all tools and equipment before issue	
												Tools returned during the working day to be disinfected on return before placing in stores	
												Regular training, communication and awareness via toolbox talks and safety posters. Storeman must be part of the sessions	
												Supervisory and Safety team (including safety representatives) to monitor compliance to disinfection of tools and equipment before and after use.	

Construction Work

											Entry into the storeroom by employees must be strictly prohibited. Only the storeman should be allowed to issue tools and equipment	
Mobile plant not disinfected before and after use. Such as steering wheel, levers, door handles, dashboard etc.	Possible Covid-19 exposure	Unsafe Condition	Infection with corona virus	H	X			P5	I3	L1	<p>Operators must disinfect the cabin of the vehicle before use, including external handles and contact surfaces used to access the cab</p> <p>Regular training, communication and awareness via toolbox talks and safety posters</p> <p>Supervisory and Safety team (including safety representatives) to monitor compliance of disinfection of mobile plant before and after use.</p> <p>Operators of heavy moving equipment such as tipper trucks, excavators, TLB's etc must travel alone while conducting construction activities and remain in the vehicle as far as possible</p> <p>Where the vehicle needs to be vacated, cabs are to be sanitised when leaving and personal hygiene/sanitising procedures enforced</p>	Principal Contractor CCO

<p>Incorrect usage and disposing of face masks and other Covid-19 PPE</p>	<p>Possible Covid-19 exposure</p>	<p>Unsafe act</p>	<p>Infection with corona virus Spread of the corona virus</p>	<p>H</p>	<p>X</p>				<p>P5</p>	<p>I3</p>	<p>L1</p>	<p>All Covid-19 PPE must be classified as hazardous biological waste. Only a registered service provider can appropriately dispose the masks at registered landfill site</p> <p>Supervisory and Safety team (including safety representatives) to monitor compliance to PPE use and disposal practices</p> <p>Develop a Covid-19 Method statement and Risk Assessment and safe working procedure for the correct use and disposal of PPE</p> <p>Training, communication and awareness</p> <p>Revise Health and Safety Plan to include response to Covid-19 risk with respect to PPE usage and disposal</p>	<p>Principal Contractor CCO</p>
<p>Hot spot zones such as eating and rest areas</p>	<p>Spreading of the virus to other employees</p>	<p>Unsafe condition</p>	<p>Spread of the corona virus Infection with corona virus</p>	<p>H</p>	<p>X</p>				<p>P5</p>	<p>I3</p>	<p>L1</p>	<p>Eating and resting areas must conform to the social distancing requirements and strict hygiene practices.</p> <p>Supervisory and Safety team (including safety representatives) to monitor compliance to Covid-19 regulations including social distancing, wearing of the required PPE such as face masks and frequent hand sanitising</p> <p>Employees to be encouraged to bring their food and drink from home. Leaving the site and purchasing of food outside of site should be discouraged. If selling of food is permitted onsite, non-contact methods of payment should be applied or else regular handwashing and sanitizing is to be enforced</p> <p>Due to the necessity of removing face masks to eat, social distancing for eating areas to be increased to a minimum of 2m. Eating areas to be enlarged and demarcated to maintain social distancing</p> <p>Eating times to be staggered if social distancing of 2m cannot be complied with</p> <p>Regular training, communication and awareness of all employees</p>	<p>Principal Contractor CCO</p>
<p>Lack of supply of water, handwash soap or hand sanitizer in strategic places around the site camp and on site</p>	<p>Transmission of the virus to other employees</p>	<p>Unsafe condition</p>	<p>Spread of the corona virus Infection with corona virus</p>	<p>H</p>	<p>X</p>				<p>P5</p>	<p>I3</p>	<p>L1</p>	<p>Fresh water and soap is readily available and always topped up</p> <p>Additional hand washing facilities to be provided especially on site</p> <p>Hand wash facilities and sanitising stations to allow for 1.5m social distancing when in use</p> <p>Provision of adequate hand sanitizers where soap and water cannot be provided</p>	<p>Principal Contractor CCO</p>

