



Health and Safety Specification In terms of OHS ACT 85 Of 1993

Project : COM021/2020 – REPLACEMENT AND INSTALLTION OF CHLORINE GAS SYSTEM AT THE CONVILLE COMMUNITY SWIMMING POOL

For: GEORGE MUNICIPALITY

Project Directory

Project Client

Name: **George Municipality**
71 York Street
George
6530

Contact Details: 044 801 9111

Designer

Name: **George Municipality**
71 York Street
George
6530

Contact Details: 044 801 9111

OHS

Name: OHS Inc

Contact Details: 082 7717072
admin@ohsinc.co.za

Other Parties

Name: George Municipality Electrical
Dept

Contact Details: 044 801 9222

Name: George Municipality Water Dept

Contact Details: 044 801 9262

Name: George Municipality Civil
Engineering
Services

Contact Details: 044 801 9111

Project Details

Provisional Start Date:

TBA

Provisional Completion Date:

TBA

Proposed Contract Duration:

TBA

Proposed Project Value:

TBA

Notification of Construction Work:

YES

Construction Work Permit Application:

N/A

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Date Prepared:

3 November 2020

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1. **Purpose**

1. The purpose of this document is to provide health and safety information about specific project risks known by the Client, Designer and Client Agent. These risks are applicable to this project and may not necessarily be common knowledge to the Contractor. The Contractor must take this information into account and ensure that their tenders include adequate resources to deal with the matters detailed in this document. Compliance must be ensured by the Contractor and Appointed Sub- Contractor to all relevant legislation. Safeguarding of employees, sub-contractors and other persons affected by the construction activities must be ensured.
2. Reference should be made to the following documentation in conjunction with this safety specification (including existing surveys, drawings and reports):
 - (a) Engineers Drawings
 - (b) Designers Input
 - (c) Tender Documents
3. Due to potentially dangerous operations being undertaken in construction, there is a possibility of incidents and accident which may lead to injuries or fatalities. In many instances non-compliances to the Occupational Health and Safety Act (OHS Act) has resulted in severe consequences for the parties involved. The Project Client is determined to ensure the highest health and safety standards throughout the Contract.
4. To ensure this The Project Client / Client Agent has prepared and published this document. This document should be used as a guideline for minimum levels of awareness and guidance for health and safety requirements for this Contract. The responsibility for adhering to these requirements rests with the Contractors.
5. **Every Employer will provide and maintain, as far as reasonably practicable, a set working environment that is safe and without risk to the health of his employees. OHS Act 8 (1)**
6. **Compliance with the OHS Act and Regulations will not be limited to this specification and the definitions contained in this document.**
7. **Tenderers are expected to be conversant with the requirements and effect of health and safety legislation, in particular the Construction Regulations, 2014, Hazardous chemical substances regulations and the Occupational Health and Safety Act, 85 of 1993. Provision must be made in the tender submission to comply with all legal requirements.**
8. The Contractor's personnel will be responsible implementation all necessary legislative requirements. Document control and record systems associated with the legislation must be kept by the Contractor.
9. This document should be used to assist them Contractor towards achieving compliance with the OHS Act.
10. The Specification will be implemented during construction of the works Project Client / Client Agent has control over.
11. ***The Project Client is committed to ensure compliance to all the relevant legislation regarding Occupational Health and Safety is maintained and no accident occurs.***
12. This document must be used as a means of measuring performance of all parties entering into a contract with the project Client or Contractor in Occupational Health and Safety Standards.

13. The Project Client does not accept any liability which may result from the Contractor failing to comply with the Document; the Contractor remains responsible for achieving the required performance levels.
14. This document forms part of the Contract, and Contractors are required to make it part of their Contracts with Sub-Contractors and Suppliers.
15. ***The successful Contractor will ensure that a Safety Plan complying with all the relevant legal requirements and this document is compiled and approved by the Client/Client Agent before commencement of Construction.***

1.2 PROJECT DETAILS

Description of Work

1. VACUUM TUBING 12mm
2. VACUUM FITTINGS 12mm
3. DOSING REGULATOR 75mm – 500g/h
4. CLEAN MANIFOLD AND PURGE WITH NITROGEN
5. VACUUM REGULATOR SERVICE KIT.

1.3. EXISTING ENVIRONMENT

The work area is located at Conville Community swimming pool, a public area and all precautions must be taken to ensure the safety of members of the public.

The contractor must ensure that all work areas are barricaded and identified with safety warning signs especially in regards to Hazardous Chemical Substances. Principal contractor must ensure that he/she is aware of the requirements of OHS Act 85 of 1993 Section 9 when performing work at the area.

Good housekeeping practices must be enforced and no rubble must be left lying around.

No external visitors will be allowed to visit the work area unless permission has been obtained from the Client/Client representative.

1. Hazards particular to this project Baseline Risk Assessment

1.4 BASELINE RISK ASSESSMENT (See Annexure D)

Significant Risks and Hazards identified by the Client/Designer/Client Agent.

- Site Establishment
- Use of local labour
- Use of Construction Plant and Equipment.
- Loading and offloading
- Use of lifting devices
- Noise and Dust
- Manual Labour loosening and fastening items
- Manual Handling of general items
- Working with hands
- Plant or Vehicle and Equipment operations
- Use of Portable Electrical Equipment
- Fire
- Hand Tools
- Hazardous Substances (Chemicals and gases)
- Line of fire

- Pinch Points
- Ergonomics
- Housekeeping
- Personal Protective Equipment
- Management of Change
- Stacking and storage of materials in work areas.
- Snakes and other positions insects

NOTE:

Please refer to end of Safety Specification for minimum control measures required to address these risks.

The following materials and substances have, or may have, to be used in the works or is present and are identified as potentially posing special health and / or safety hazards during the project. Appropriate measures will need to be specified for their control:

- Petrol
- Diesel
- Chlorine Gas
- Nitrogen

HTH® CALCIUM HYPOCHLORITE**Emergency Overview**

DANGER! STRONG OXIDIZER. CONTACT WITH OTHER MATERIALS MAY CAUSE FIRE. CORROSIVE. CAUSES BURNS TO ANY AREA OF CONTACT. HARMFUL IF SWALLOWED OR INHALED. WATER REACTIVE

Potential Health Effects**Inhalation:**

Corrosive. Extremely destructive to tissues of the mucous membranes and upper respiratory tract. Symptoms may include burning sensation, coughing, wheezing, laryngitis, and shortness of breath, headache, nausea and vomiting. Inhalation may be fatal as a result of spasm inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema.

Ingestion:

Corrosive. Swallowing can cause severe burns of the mouth, throat, and stomach. Can cause sore throat, vomiting, diarrhea.

Skin Contact:

Corrosive. Symptoms of redness, pain, and severe burn can occur

Eye Contact:

Corrosive. Contact can cause blurred vision, redness, pain and severe tissue burns.

Chronic Exposure:

Repeated exposures to calcium hypochlorite may cause bronchitis to develop with cough and/or shortness of breath.

Aggravation of Pre-existing Conditions:

No information found.

Personal Respirators (NIOSH Approved):

For conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full face positive-pressure, air-supplied respirator.

WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in the work area.

Nitrogen**Main Hazards**

All cylinders are portable gas containers, and must be regarded as pressure vessels at all times. Nitrogen does not support life. It can act as a simple asphyxiant by diluting the concentration of oxygen in air below the levels necessary to support life.

Adverse Health Effects

Inhalation of nitrogen in excessive concentrations can result in dizziness, nausea, vomiting, loss of consciousness and death.

Chemical Hazards

Nitrogen is relatively inert to most materials under ordinary conditions. It becomes more reactive at elevated temperatures, and combines with hydrogen, oxygen and some metals.

Biological Hazards No known effect.

Vapour Inhalation

As nitrogen acts as a simple asphyxiant death may result from errors in judgement, confusion, or loss of consciousness which prevents self-rescue. At low oxygen concentrations, unconsciousness and death may occur in seconds without warning.

The following Project Client safety rules and/or requirements are to be observed:

Safety Rules

COVID-19	<ul style="list-style-type: none"> • Daily screening must be conducted • Wash hands and sanitize regularly • Wear mask at all times • Do not come to work if you feel sick or display symptoms of COVID-19 • Immediately report to your supervisor if you start feeling sick while at work
MANUAL LIFTING	<ul style="list-style-type: none"> • Keep your back straight, Bend the knees, don't reach and lift, Get help for heavy loads.
FALLS & FALLING OBJECTS	<ul style="list-style-type: none"> • Wear safety harness at all times when working at heights. • 100% tie of always

	<ul style="list-style-type: none"> Look before you step, keep all work areas clean, stay out from under loads, don't use unsafe ladders.
WORKING WITH ELECTRICITY	<ul style="list-style-type: none"> Avoid contact with energized electrical circuits, always use insulated tools, Always use appropriate insulated rubber gloves and goggles Follow lock out and tag out procedure requirements. Never work on energized systems
UNSAFE USE OF TOOLS	<ul style="list-style-type: none"> Inspect regularly, report all defects at once, use the right tool safely, Put it away safely
PROTECTIVE EQUIPMENT	<ul style="list-style-type: none"> Ensure you use the correct PPE for the job at hand
HOUSEKEEPING	<ul style="list-style-type: none"> A clean job is a safe job, use waste bins, Pile materials safe and neat, Remove hazardous debris
TEAMWORK	<ul style="list-style-type: none"> Plan all work with safety Protect fellow workers Ensure work areas are made safe before work starts

Labour Records

At the end of each week the contractor will provide a written record, in schedule form reflecting the number and description of tradesmen and labourers employed by him and all his sub-contractors on the works each day. The record must also indicate total amount of people on site as well as total hours worked for the week.

Plant Records

At the end of each week the contractor will provide a written record, in schedule form reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works.

GENERAL PROJECT INFORMATION

The purpose of this section is to provide general health and safety information about construction risks which are applicable to the construction industry as a whole.

The Contractor must take all information in this section into account and ensure that their tenders include adequate resources to deal with the matters detailed below. All relevant risks must be dealt with in compliance with legislation

2. STANDARD OCCUPATIONAL HEALTH AND SAFETY SPECIFICATION

2.1. Scope

1. This Section covers the requirements for eliminating and mitigating incidents and within the Contract. The scope addresses minimum legal compliance, hazard and risk management, promotion of a health and safety culture amongst all parties involved in the project and those affected by the activities taking place.

2. Contractors employed by The Project Client / Project Agent must ensure that the provisions of the specifications are applied both on the site and all off site activities relating to this project.
3. The Contractor must enforce the provisions of these Specifications amongst all subcontractors and suppliers for the project.

2.2 Interpretation

2.2.1 Application

1. The Occupational Health and Safety Specification contains clauses that are applicable to building / construction and impose pro-active controls associated with activities that impact on human health and safety as it relates to plant and machinery. Compliance to the requirements of the Act is in addition to the requirements of the Occupational Health and Safety Specification and form part of the Contractor's responsibility. The Client / Client Agent will monitor that the Contractors compliance with the requirements of the OHS Act.

2.2.2 Definitions

For the purpose of this Occupational Health and Safety Specification following the definitions, hereunder will apply:

Agent

means a competent person who acts as a representative for a client;

Client

means any person for whom construction work is being performed;

Construction Work (*as defined in the Construction Regulations, 2014*) means any work in connection with—

- a) the construction, erection, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure; or
- b) the construction, erection, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system; or the moving of earth, clearing of and, the making of excavation, piling, or any similar civil engineering structure or type of work;

Competent person

Means a person who

- (a) has in respect of the work or task to be performed the required knowledge, training and experience and, where applicable, qualifications, specific to that work or task: Provided that where appropriate qualifications and training are registered in terms of the provisions of the National Qualifications Framework Act, 2000 (Act No. 67 of 2000), those qualifications and that training must be regarded as the required qualifications and training.
- (b) Is familiar with the Act and with the applicable regulations made under the Act;

Construction Vehicles

Means a vehicle used as a means of conveyance for transporting persons or material, or persons and material, on and off the construction site for the purposes of performing construction work;

Contractor

Means an employer who performs construction work

HCS” or “hazardous chemical substance”

means any toxic, harmful, corrosive, irritant or asphyxiant substance, or a mixture of such substances for which—

- (a) an occupational exposure limit is prescribed; or
- (b) an occupational exposure limit is not prescribed, but which creates a hazard to health;

Hazard

Means a source of or exposure to danger which may cause injury or damage to persons or property;

Hazard identification

Means the identification and documenting of existing or expected hazards to health and safety of persons which are normally associated with the type of construction work being executed or to be executed;

Health and safety file

Means a file, or other record containing the information in writing required by these Regulations

Health and Safety Plan

Means a site, activity or project specific document plan in accordance with the client's health and safety specification.

Medical certificate of fitness

Means a certificate contemplated in regulations 7 (8) of the Act

Note: Only medical certificates issued by an Occupational health practitioner as described above will be accepted on this project

OEL ” or “occupational exposure limit”

means a limit value set by the Minister for a stress factor in the workplace as revised from time to time by notice in the Government Gazette;

Principal Contractor

Means an employer appointed by the client to perform construction work

“respiratory protective equipment”

means a device which is worn over at least the mouth and nose to prevent the inhalation of airborne hazardous chemical substances and which is of a type, or conforms to a standard approved by the Minister;

Risk

Means the probability or likelihood that a hazard can result in injury or damage.

Risk assessment

Means a program to determine any risk associated with any hazard at a construction site, in order to identify the steps needed to be taken to remove or control such hazard

“SABS 0228” the Code of Practice for the Identification and Classification of Dangerous Substances and Goods, SABS 0228, published by the South African Bureau of Standards (SABS);

Site

Means the area in the possession of the Contractor for the construction of the works. Where there is no demarcated boundary it will include all adjacent areas, which are reasonably required for the activities for the Contractor;

The Act

Means, unless the context indicates otherwise, the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) and Regulations promulgated there under.

2.3 General Health and Safety Provisions**2.3.1 Notification of Intention to Commence Construction Work**

1. A contractor who intends to carry out any construction work other than work contemplated in regulation 3(1), must at least 7 days before that work is to be carried out notify the provincial director in writing in a form similar to Annexure 2 if the intended construction work will—
 - (a) include excavation work;
 - (b) include working at a height where there is risk of falling;
 - (c) include the demolition of a structure; or
 - (d) include the use of explosives to perform construction work.
2. A contractor who intends to carry out construction work that involves construction of a single storey dwelling for a client who is going to reside in such dwelling upon completion, must at least 7 days before that work.

2.3.2 Assignment of Contractor's Responsible Persons to Supervise Health & Safety**2.3.2.1 Construction Manager CR 8(1)**

1. A principal contractor must in writing appoint one full-time competent person as the construction manager with the duty of managing all the construction work on a single site, including the duty of ensuring occupational health and safety compliance, and in the absence of the construction manager an alternate must be appointed by the principal contractor.
2. Where the construction manager has not appointed assistant construction managers as contemplated in Construction Regulation 8(2) or, in the opinion of an inspector, a sufficient number of such assistant construction managers have not been appointed, that inspector must direct the construction manager in writing to appoint the number of assistant construction managers indicated by the inspector, and those assistant construction managers must be regarded as having been appointed under Construction Regulation 8(2).
3. No construction manager appointed under Construction Regulation 8(1) may manage any construction work on or in any construction site other than the site in respect of which he or she has been appointed.
4. A construction manager must in writing appoint construction supervisors responsible for construction activities and ensuring occupational health and safety compliance on the construction site.
5. Competency requirements – CV with proof of more than 3 years' experience in the same position, Legal liability training, General OHS Act & Regulations training, Construction Regulations & HIRA training Certificates

2.3.2.2 Assistant Construction Manager CR8 (2)

1. A principal contractor must upon having considered the size of the project, in writing appoint one or more assistant construction managers for different sections thereof: Provided that the designation of any such person does not relieve the construction manager of any personal accountability for failing in his or her management duties in terms of this regulation
2. Competency requirements – CV with proof of more than 3 years' experience in the same position, Legal liability training, General OHS Act & Regulations training, Construction Regulations & HIRA training Certificates

2.3.2.3 Construction Safety Officer CR8 (5)

1. A contractor must, after consultation with the client and having considered the size of the project, the degree of danger likely to be encountered or the accumulation of hazards or risks on the site, appoint a full-time or part-time construction health and safety officer in writing to assist in the control of all health and safety related aspects on the site: Provided that, where the question arises as to whether a construction health and safety officer is necessary, the decision of an inspector is decisive.
2. No contractor may appoint a construction health and safety officer to assist in the control of health and safety related aspects on the site unless he or she is reasonably satisfied that the construction health and safety officer that he or she intends to appoint is registered with a statutory body **SACPCMP** approved by the Chief Inspector and has necessary competencies and resources to assist the contractor. **SACPCMP registration certificate must be provided**

2.3.2.4 Construction Supervisor CR 8(7)

1. A contractor must, upon having considered the size of the project, in writing appoint one or more competent employees for different sections thereof to assist the construction supervisor contemplated in Construction Regulation 8(7) and every such employee has, to the extent clearly defined by the contractor in the letter of appointment, the same duties as the construction supervisor: Provided that the designation of any such employee does not relieve the construction supervisor of any personal accountability for failing in his or her supervisory duties in terms of this regulation.
2. Where the contractor has not appointed an employee as contemplated in Construction Regulation 8(8), or, in the opinion of an inspector, a sufficient number of such employees have not been appointed, that inspector must instruct the employer to appoint the number of employees indicated by the inspector, and those employees must be regarded as having been appointed under Construction Regulation 8(8).
3. No construction supervisor appointed under Construction Regulation 8(7) may supervise any construction work on or in any construction site other than the site in respect of which he or she has been appointed: Provided that if a sufficient number of competent employees have been appropriately designated under Construction Regulation 8(7) on all the relevant construction sites, the appointed construction supervisor may supervise more than one site.
4. Competency requirements – CV with proof of more than 3 years' experience in the same position, Legal liability training, General OHS Act & Regulations training, Construction Regulations & HIRA training Certificates

The Contractor must submit proof of supervisory appointments and any relevant appointments in writing (as stipulated by the OHS Act), prior to commencement of work

2.3.3 Competency for Contractor's Responsible Persons

1. The Contractor's responsible persons will be competent in health and safety, use of hazardous chemical substances and will have undergone Health and Safety Management Courses.

Typical courses will include, HIRA, Legal liability, Incident Investigation, Construction regulations 2014, handling of hazardous chemical substances and OHS Act training. Proof must also be provided that the relevant appointed responsible person has experience related to the work that will be conducted

Proof of competence in regards to specific work that will be conducted must also be Available, this will include all relevant registrations required to perform electrical work for both the company as well as specific employees identified to perform specialised task

2.3.4 Compensation of Occupational Injuries and Diseases Act 130 of 1993 (COIDA)

1. The Contractor will submit a letter of good standing with the Compensation Insurer to The Project Client / Client Agent, within 10 working days from receipt of the Letter of Acceptance from The Project Client / Client Agent. This shall be renewed as and when required so as to remain valid for the duration of the Contract **"No letter of Good Standing No work"**

2.3.5 Occupational Health and Safety Policy

1. The Contractor will submit a Health and Safety Policy drafted in line with the OHS Act 85 of 1993 section 7 requirements with the Tender, signed by the Chief Executive Officer.

2.3.6 Health and Safety Organogram

1. The Contractor will submit an organogram to the Client/ Client Agent, outlining the Health and Safety site team appointments as required by the OHS Act. The organogram must include the legal reference under which each person is appointed as well as the persons contact details (Cell phone number and e-mail address).

2.3.7 Risk Assessment for construction work

1. A contractor must, before the commencement of any construction work and during such construction work, have risk assessments performed by a competent person appointed in writing, which risk assessments form part of the health and safety plan to be applied on the site, and must include—
 - (a) the identification of the risks and hazards to which persons may be exposed to;
 - (b) an analysis and evaluation of the risks and hazards identified based on a documented method;
 - (c) a documented plan and applicable safe work procedures to mitigate, reduce or control the risks and hazards that have been identified;
 - (d) a monitoring plan; and
 - (e) a review plan.
2. A contractor must ensure that as far as is reasonably practicable, ergonomic related hazards are analyzed, evaluated and addressed in a risk assessment.
3. A contractor must ensure that all employees under his or her control are informed, instructed and trained by a competent person regarding any hazard and the related work

procedures and or control measures before any work commences, and thereafter at the times determined in the risk assessment monitoring and review plan of the relevant site.

4. A principal contractor must ensure that all contractors are informed regarding any hazard that is stipulated in the risk assessment before any work commences, and thereafter at the times that may be determined in the risk assessment monitoring and review plan of the relevant site.
5. A contractor must consult with the health and safety committee or, if no health and safety committee exists, with a representative trade union or representative group of employees, on the monitoring and review of the risk assessments of the relevant site.
6. A contractor must ensure that copies of the risk assessments of the relevant site are available on site for inspection by an inspector, the client, the client's agent, any contractor, any employee, a representative trade union, a health and safety representative or any member of the health and safety committee.
7. A contractor must review the relevant risk assessment—
 - (a) where changes are effected to the design and or construction that result in a change to the risk profile; or
 - (b) when an incident has occurred.

Hazardous Chemical Substance Risk assessment

Assessment of potential exposure.—

(1) An employer or self-employed person shall after consultation with the relevant health and safety representative or relevant health and safety committee, cause an immediate assessment to be made and thereafter at intervals not exceeding two years, to determine if any employee may be exposed by any route of intake.

(2) An employer shall inform the relevant health and safety representative or relevant health and safety committee in writing of the arrangements made for the assessment contemplated in subregulation (1), give them reasonable time to comment thereon and ensure that the results of the assessment are made available to the relevant representative or committee who may comment thereon.

(3) When making the assessment, the employer or self-employed person shall keep a record of the assessment and take into account such matters as—

- (a) the HCS to which an employee may be exposed;
- (b) what effects the HCS can have on an employee;
- (c) where the HCS may be present and in what physical form it is likely to be;
- (d) the route of intake by which and the extent to which an employee can be exposed; and
- (e) the nature of the work, process and any reasonable deterioration in, or failure of, any control measures.

(4) If the assessment made in accordance with subregulation (3) indicates that any employee may be exposed, the employer shall ensure that monitoring is carried out in accordance with the provisions of regulations 6 and 7 and that the exposure shall be controlled as contemplated in regulation 10.

(5) An employer shall review the assessment required by subregulation (1) forthwith if —

- (a) there is reason to suspect that the previous assessment is no longer valid; or
- (b) there has been a change in a process involving an HCS or in the methods, equipment or procedures in the use, handling, control or processing of the HCS, and the provisions of subregulations (2) and (3) shall apply

Ergonomic risk assessment Published 6 December 2019 exemption was given until June 2021 but the basics of ergonomics must still be addressed

- (1)
 - (a) An employer must, before the commencement of any work that may expose employees to ergonomic risks, have an ergonomic risk assessment performed by a competent person.
 - (b) The ergonomic risk assessment contemplated in paragraph (a) must be performed after consultation with the health and safety committee established in respect of a workplace under the employer's control or the health and safety representatives designated for that workplace or for different sections thereof.
- (2) The ergonomic risk assessment contemplated in subregulation (1) must—
 - (a) be conducted at intervals not exceeding two years; and
 - (b) include—
 - (i) a complete hazard identification;
 - (ii) the identification of all persons who may be affected by the ergonomic risks;
 - (iii) how employees may be affected by the ergonomic risks;
 - (iv) the analysis and evaluation of the ergonomic risks; and
 - (v) the prioritisation of ergonomic risks.
- (3) An employer must review the relevant ergonomic risk assessment made in accordance with subregulation (1) if—
 - (a) such assessment is no longer valid;
 - (b) control measures are no longer effective;
 - (c) technological or scientific advances allow for more effective control methods;
 - (d) there has been a change in—
 - (i) the work methods;
 - (ii) the type of work carried out; or
 - (iii) the type of equipment used to control the exposure; and
 - (e) an incident occurs or medical surveillance reveals an adverse health effect, where ergonomic risks are identified as a contributing factor.
- (3) A contractor must ensure that all employees under his or her control are informed, instructed and trained by a competent person regarding any hazard and the related work procedures and or control measures before any work commences, and thereafter at the times determined in the risk assessment monitoring and review plan of the relevant site.
- (4) A principal contractor must ensure that all contractors are informed regarding any hazard that is stipulated in the risk assessment before any work commences, and thereafter at the times that may be determined in the risk assessment monitoring and review plan of the relevant site.
- (5) A contractor must consult with the health and safety committee or, if no health and safety committee exists, with a representative trade union or representative group of employees, on the monitoring and review of the risk assessments of the relevant site.
- (6) A contractor must ensure that copies of the risk assessments of the relevant site are available on site for inspection by an inspector, the client, the client's agent, any contractor, any employee, a representative trade union, a health and safety representative or any member of the health and safety committee.
- (7) A contractor must review the relevant risk assessment—

- (a) where changes are effected to the design and or construction that result in a change to the risk profile; or
- (b) when an incident has occurred.

Issue Based Risk Assessment

1. As circumstances and needs arise, separate risk assessment will need to be conducted. An additional risk assessment will need to be conducted when for example:
 - (a) A new operation introduced onto site
 - (b) A system for work is changed
 - (c) After an accident or a 'near miss' has occurred

Continuous Risk Assessment

1. This should take place continually, as it forms an integral part of day-to-day management.
2. It should be conducted by frontline supervisors on a **DSTI (Daily Safe task instruction)** on site and it is essential that formal training is provided to enable the said personnel to be efficient in conducting said assessment. The Contractor must ensure that the Risk Assessment identifies the hazards present in work activities on site. This must be followed by an evaluation of the risks involved taking into account those precautions already being taken.

2.3.8 Health and Safety Representative(s) Section 17

1. The Contractor will ensure that a Health and Safety Representative(s) are /is elected for every 20 employees on site and trained to carry out his / her functions. The appointment must be in writing. The Health and Safety Representative will carry out regular inspection, keep records and report to the supervisor to take appropriate action. He / She will attend Health and Safety Committee Meetings. The Health and Safety Representative will be part of the team that will investigate incidents, accidents & non-conformances.

2.3.9 Health and Safety Committee Section 19

1. The Contractor will ensure that monthly health and safety meetings are held, and minutes are kept on record. Meetings must be organized and chaired by the Contractor's Responsible Person. The Contractor will ensure that the *Health and Safety Representative(s)* is/are invited to attend the meeting as observer. Copies of the minutes must be made available to the Client/ Client Agent or Inspector.

2.3.10 Inductions

1. All Contractor's personnel shall undergo induction before commencement of work on the Project Site. Appropriate time must be set aside for training (induction and other) of all employees. Acknowledgement of receiving and understanding the induction shall be signed by all persons receiving this induction.

Prior to induction all Contractor's personnel shall undergo a pre-employment medical examination and be confirmed fit for duty. This examination shall be arranged by the Contractor at the Contractor's cost and a copy of the medical must be available in the safety file at all times

Employees are responsible for their own Health and Safety and that of their co-workers within their work area. They shall be made aware of their responsibilities during induction and awareness sessions which include:

- Familiarising themselves with their workplaces and Health and Safety procedures;
- Working in a manner that does not endanger them or cause harm to others;
- Keeping their work area tidy;
- Reporting all incidents / accidents / occupational ill-health and near misses;
- Protecting fellow workers from injury;
- Reporting unsafe acts and unsafe conditions;
- Reporting any situation that may become dangerous;
- Carrying out lawful orders and obeying HSE rules.
- Reporting to the employer when displaying any COVID-19 symptoms while at work or at home.

The Contractor shall ensure that all Contractor's personnel undergo general work induction with regard to the approved HSE Plan, general hazards prevalent on the Project Site, Construction Risk Assessments, HSE Rules and other related aspects.

The contractor must ensure that as new employees are brought to site during the project they must also undergo inductions before being able to perform any task on site.

Evidence of training skills and competencies shall form part of the Contractor's records. The Contractor shall ensure that all Contractors' personnel are adequately trained in the type of work / tasks to be performed. This training shall extend to include relevant procedures, Hazard Identification and Risk Assessment. Contractor's personnel shall have the appropriate qualifications and shall work under competent supervision. Copies of records of appropriate training and qualifications for all employees shall be kept and maintained. When there is an amendment to an Act, Regulation, Contractor's HSE Requirements Document and/or HSE Plan, all affected staff shall undergo the relevant re-training.

2.3.11 Medical Surveillance Programme

1. The Client will only accept medicals Conducted by Registered Occupational Health Practitioners who hold valid qualifications in occupational health (AIA Registration).

The Contractor shall ensure that all their Contractor's personnel have undergone a pre-employment medical examination and have available Annexure 3 before starting work on the Project. An exit medical examination shall be done by all employees before leaving the Project Site.

The preemployment and exit medicals shall, as a minimum, be to the standard of what is referred to as 'Red Ticket' medical fitness certification. If the contract is longer than 12 months, then this shall include an annual periodic medical. The medical certificate shall be issued before the employee commences work. If the Contractor does not provide proof of valid certificates of fitness for a Contractor's Employee, then such Contractor's Employee shall not be permitted access to the Project Site.

The medical certificate shall be renewed annually. Exit medicals shall be conducted prior to the termination of the employee's contract for / at the Project Site unless otherwise advised by the Client. The Contractor's Employees shall be issued with the required medical records to prove medical status at the time of exiting the Project Site. The Contractor shall provide a documented process for managing those employees who are issued with a conditional certificate of fitness.

2.3.11 Awareness

1. The Contractor will conduct, toolbox talks twice weekly and before any hazardous work takes place. The talks will cover the relevant, daily, activity and an attendance register must be

kept and signed by all attendees. A record of the content of the topic will be kept on the site health a safety file.

2.3.12 Competency

1. After the Contractor has identified the training to be conducted, based on the Hazard Identification Risk Assessment (HIRA); he / she will send the relevant persons on appropriate courses and keep certificates of training for reference. The Appointed CR 8(1), CR8(7) and CR 8(8) must at minimum have attended the following training courses and have the required competency certificates
 - Legal Liability
 - Construction Regulations 2014
 - Supervisors Safety Training
 - HIRA
 - Incident Investigation
 - General OHS Act

2.3.14 General Record Keeping

1. The contractor will keep and maintain Health and Safety records to demonstrate compliance with the Occupational Health and Safety Specification and the Act. The contractor will ensure that all records of incidents, spot fines, training etc. are kept on site. All documents will be available for inspection by The Project Client / Client Agent or Inspectors.

2.3.15 General Inspection, Monitoring and Reporting

1. The Contractor will carry out daily inspections and investigate all incidents and report to The Project Client / Client Agent. The contractor will be required to keep records of all inspections and investigations which were undertaken and any other inspections and investigations by person's authorised to do so.

2.3.16 Internal Audits

1. The Principal contractor's responsible Safety Officer will conduct monthly Health and Safety audits to ensure compliance with the OHS Act 85 of 1993 and Occupational Health and Safety Specification and communicate the findings to the Client Agent on a monthly basis. Records of audits must be kept, and non-conformance reported, investigated and corrective action must be taken to prevent re-occurrence.

2.3.17 External Audits

1. The Project Client / Client Agent will conduct health and safety audits to ensure compliance with the Occupational Health and Safety Act 85 of 1993, Safety Specification and any relevant Health & Safety Legislation. All documentation held by the Contractor will be available for inspection.
2. Audits and Inspections may be conducted on an ad hock basis without informing the Contractor.
3. **Any findings observed during these audits will be placed on an audit action plan that will show the deviation, the reason for the deviation occurring, the proposed actions that will be taken to correct the deviation, responsible persons name, proposed close out date, actual closed out date and a signature of the contractor's responsible person confirming the close out.**

4. The action plan must be submitted to the Client Agent within 3 days of receiving the audit report

2.3.18 Emergency Procedures

1. The Contractor shall develop his own emergency response plan for both work areas and office areas and submit this plan to the Client Agent for approval. The plan shall be amended as required by the Client/Client Agent. The Contractor shall ensure that all personnel are aware of and trained in the execution of the emergency plan. The procedure will detail the response plan including the following key personnel:
 - (a) List of key personnel,
 - (b) Details of emergency services,
 - (c) Actions or steps to be taken in the event of the emergency; and
 - (d) Information on hazardous materials / situations, including each material's hazardous potential impact or risk on the environment or human and measures to be taken in the event of an accident.

The emergency plan must also include procedure and processes to be followed in the event of electrocution as well as any other emergency situation that may occur while performing electrical works

2. Emergency procedures will include, but will not be limited to, COVID-19, fire, spills, accidents involving employees, use of hazardous substances, electrical shock or contact, etc. The Contractor will advise The Project Client / Client Agent in writing of any on site emergencies, together with a record of action taken, within 24 hours of the emergency occurring. A contact list of all service providers (Fire Department, Ambulance, Police, Medical and Hospital, etc.) must be maintained and available to site personnel.
3. The Contractor shall be responsible for ensuring that his emergency plan is reviewed annually, and after every incident which caused the emergency plan to be activated. Any changes made shall be briefed to all persons affected.

2.3.19 First Aid Box and First Aid Equipment

1. The Contractor will appoint in writing a First Aider(s). The appointed First Aider(s) are to be sent for accredited first aid training before starting on site, or must be in possession of a valid certificate, of which copies are to be kept on site. The Contractors will provide, on site, First Aid Boxes, adequately stocked at all time, and ensure that the First Aid Box is accessible and fully controlled by a qualified First Aider. In addition, the location of these boxes must be indicated by means of Health and Safety Signage. A picture with the name and contact number of the First Aider on duty must be on displayed in all relevant areas.

2.3.20 Accident / Incident Reporting and Investigation

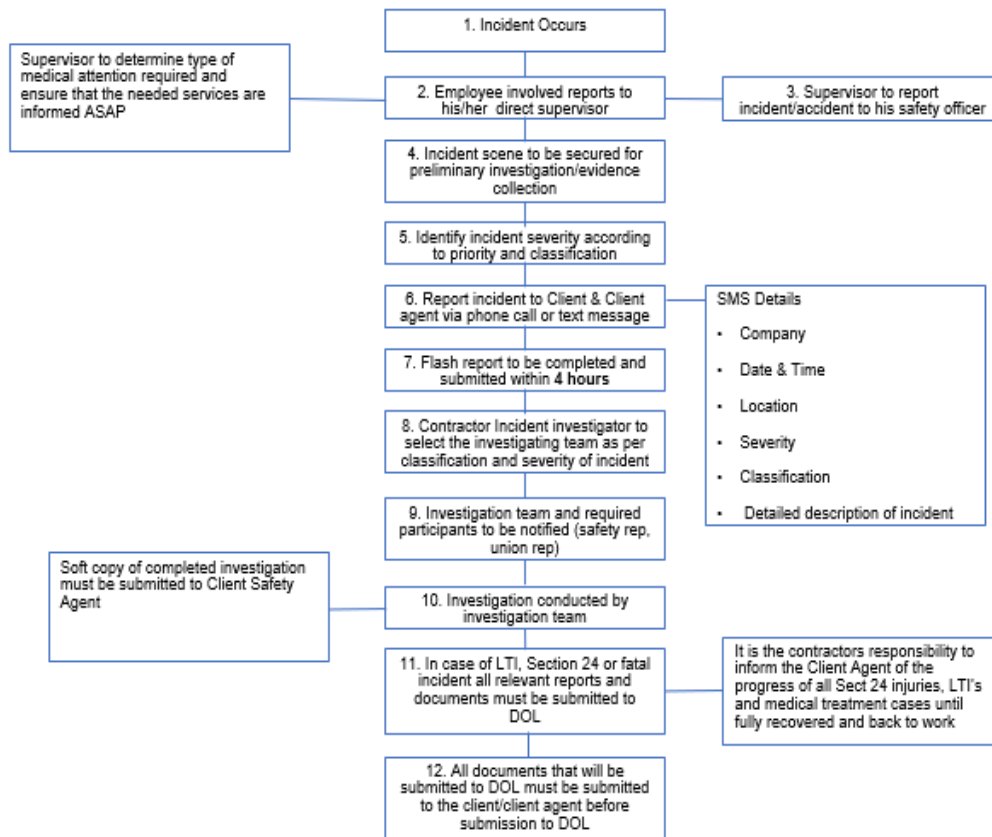
1. The Contractor will in addition to the prescribed requirements of the OHS Act investigate, record and report all reportable incidents. The investigations will be conducted by a qualified (Competence certificate required) person or persons who have sufficient The Contractor will in addition to the prescribed requirements of the OHS Act investigate, record and report all reportable incidents. The investigations will be conducted by a qualified **competent** person or persons who have sufficient knowledge to carry out an investigation. In the case of a serious injury, meaning one in which a loss of man-hours are experienced exceeding 7 days, an independent investigator must be appointed by the Contractor. All incidents on site must be reported to the Client Agent within 1 hour of occurrence by means of a telephone call or text message via cell phone. A flash report will be completed and forwarded to the Client & Client Agent within four hours of incident occurrence.

Preliminary investigations must be submitted to the Client agent within three days of incident occurring, the investigation will be reviewed, and the client agent reserves the right to request changes made to the investigation upon agreement with the contractor. In the event of section 24 and LTI investigations a final investigation report will be compiled and submitted to the Client/Client Agent with a detailed action plan outlining precautionary measures that will be taken to prevent reoccurrences as well as any other actions needed and identified during the investigation process.

The contractor will provide to the Client & Client agent a scanned copy of the full final investigation as well as the following documents.

- Copy of the DSTI
- Copy of the risk assessment at the time of incident as well as a revised risk assessment.
- All appointments and competency certificates of supervision involved as well as injured person.
- Copy of injured person's pre-employment medical
- All medical reports e.g. First medical, follow up medicals as well as final medical and resumption report.
- Annexure 1 report of incident to department of labour
- Detailed action plan addressing all findings made during the investigation
- Proof of all close outs of findings made during the investigation
- Copies of all witness and other statements taken.
- Proof of Incident recall with all employees

Incidents will be managed according to the flow chart bellow



2.3.21 Hazards and Potential Situations Communication

1. The Contractor will immediately notify other Contractors or Sub-contractors of any hazardous or potentially hazardous situations, which may arise during performance of the activities.

2.3.22 Personal Protective Equipment (PPE) and Clothing

1. The Contractor will make provision and keep adequate quantities of SABS approved PPE or clothing on site at all times. These will be analysed by means of the Risk Assessment. The contractor must ensure that a PPE survey is conducted to determine the type of PPE that will be needed and indicate which job category will need what PPE this will include COVID-19. PPE issue records must be available for all PPE issued to employees on site, ensure each employee signs for their PPE

All employees must be trained regarding the use maintenance and limitations of PPE issued for COVID-19 this will include the washing, drying and ironing of face masks

2. The Contractor will clearly outline procedures to be taken when PPE or clothing is:
 - (a) Lost or Stolen
 - (b) Worn Out or Damaged
 - (c) When and where it must be worn or used
3. Hazardous Chemical Substance PPE requirements - Personal protective equipment and facilities.—(1) If it is not reasonably practicable to ensure that the exposure of an employee is adequately controlled as contemplated in regulation 10, the employer shall—
 - (a) in the case of an airborne HCS, provide the employee with suitable respiratory protective equipment and protective clothing; and
 - (b) in the case of an HCS which can be absorbed through the skin, provide the employee with suitable non-HCS impermeable protective equipment.
 - (2) Where respiratory protective equipment is provided, the employer shall ensure—
 - (a) that the relevant equipment is capable of controlling the exposure to below the OEL for the relevant HCS;
 - (b) that the relevant equipment is correctly selected and properly used;
 - (c) that information, instructions, training and supervision which is necessary with regard to the use of the equipment is known to the employees; and
 - (d) that the equipment is kept in good condition and efficient working order.
 - (3) An employer shall, as far as is reasonably practicable—
 - (a) issue no used personal protective equipment to an employee, unless the relevant protection equipment is decontaminated and sterilised;
 - (b) provide separate containers or storage facilities for personal protective equipment when not in use; and
 - (c) ensure that all personal protective equipment not in use is stored only in the place provided therefor.
 - (4) An employer shall as far as is reasonably practicable, ensure that all contaminated personal protective equipment is cleaned and handled in accordance with the following procedures:
 - (a) Where the equipment is cleaned on the premises of the employer, care shall be taken to prevent contamination during handling, transport and cleaning;
 - (c) where the equipment is sent off the premises to a contractor for cleaning purposes—
 - (i) the equipment shall be packed in impermeable containers;
 - (ii) the containers shall be tightly sealed and have clear indication thereon that the contents thereof are contaminated; and
 - (iii) the relevant contractor shall be fully informed of the requirements of these regulations and the precautions to be taken for the handling of the contaminated equipment.

- (5) Subject to the provisions of subregulation (4) (b), an employer shall ensure that no person removes dirty or contaminated personal protective equipment from the premises: Provided that where contaminated personal protective equipment has to be disposed of, It shall be treated as HCS waste as contemplated in regulation 15.
- (6) Subject to the provisions of the Facilities Regulations, an employer shall, where reasonably practicable, provide employees using personal protective equipment as contemplated in subregulation (1), with—
 - (a) adequate washing facilities which are readily accessible and located in an area where the facilities will not become contaminated, in order to enable the employees to meet a standard of personal hygiene consistent with the adequate control of exposure, and to avoid the spread of an HCS;
 - (b) two separate lockers separately labelled “protective clothing” and “personal clothing”, and ensure that the clothing is kept separately in the, locker concerned; and
 - (c) separate “clean” and “dirty” change rooms if the employer uses or processes an HCS to the extent that the HCS could endanger the health of persons outside the workplace.

2.3.23 Occupational Health and Safety Signage

1. The Contractor will provide adequate on site OHS signage complying with **SANS1186 requirements**. OHS signage will include, but will not be limited to, Construction area, Hard Hat / Helmet Area; Safety Goggles, Safety Shoes to be worn on site; Dust Masks to be worn in areas where there might be exposure to excessive dust; Ear Plugs / Muffs to be worn where there might be exposure over 85 dBa; Gloves; Safety Goggles; Safety Harness, etc. The Contractor will be responsible to maintain the quality and replacement of signage. Type of signage needed will be determined by the existing hazards and risks on site.

The contractor will also ensure ample informative and instructive COVID-19 posters are displayed at all areas where employees gather or perform their work

2.3.24 Consolidated Health and Safety File

1. The Contractor will in accordance with Construction Regulation 7(1)e, hand a consolidated health and safety file to the client on completion of construction work, this must include records of drawings, designs, entry/exit medicals, incident investigations, non-conformances raised or received, risk assessments as well as significant information regarding the construction of the completed structure.

2.3.25 Permits

1. The Contractor will issue a permit for all hazardous or dangerous activities to be carried out during construction. The following is a list of hazardous activities which need a permit:
 - (a) Working in Confined Space;
 - (b) Use of a Hazardous Chemical Substance, e.g. Asbestos, Lead;
 - (c) Use of Explosives and Blasting; and
 - (d) Piling.
 - (e) Chlorine gas handling certificate

All relevant required wayleave permits as per the George Municipal processes and procedures.

2.3.26 Contractors

1. The Contractor will ensure that all Sub-contractors under his / her control are complying with the Occupational Health and Safety Specification, requirements by the Act, and any relevant legislation which may relate to the activities directly or indirectly. Each sub-contractor must

sign a 37(2) agreement as well as some Construction regulations 7(1)(c)(v) contractor appointment before being allowed to perform any work.

2.3.27 Work Stoppage due to non-conformance

The Client Agent and the Client are entitled to stop the execution of the works and issue Nonconformance notices for serious / life threatening Health, Safety or Environmental violations. Any non-conformances / findings / observations found during audits / inspections shall, where practicable, be raised, discussed and resolved directly with the Contractor.

The conditions that can lead to work stoppages include but shall not be limited to:

- Management of change: This is when there are changes to the work environment (e.g. management / supervisory changes) and / or construction work (e.g. modifications to the design) at any phase of the construction period, and / or amendments with regards to the Clients rules and regulations and / or legislative amendments;
- Unsafe acts / behaviours by Contractor's personnel;
- Unsafe conditions resulting from unforeseen hazards, changes in working procedures, unexpected weather conditions and malicious acts of vandalism. In the event of unsafe conditions being identified by any person, the process to be followed shall be:
 - The Client/Client Agent shall be informed immediately.
 - The work activity shall be stopped immediately and conditions made as safe as possible as an interim measure.
 - The affected workforce shall be removed from the work area and the Contractor shall correct the Health and Safety deficiencies by allowing only the people in the area that are competent to make the area safe.
 - The Contractor shall ensure that no other work is being performed in the area during this time. The area shall be barricaded and a sign placed with the wording "Unsafe Area – Authorized Access Only". Where necessary guards shall be posted to prevent entry.
 - The Client Agent shall review the affected parts / sections of the HSE Plan with the purpose of providing additional HSE information to the Contractor to enable the establishment of a safe working environment.
 - The Contractor shall revise the relevant sections in the HSE Plan to accommodate the changes.
 - The Client Agent shall review the revised provisions in the HSE Plan to ensure they are adequate and approve it before the work activity is commenced. The work activity / work area shall be subject to additional monitoring in the initial stages to ensure that safe conditions remain.

Before the workforce is allowed back in the area, the Contractor shall ensure:

- The area is re-inspected by the Contractor's HSE personnel and Construction Supervisor who shall note corrective actions taken;
- Declare the area safe for work by signing off on the "work stoppage" notice issued by The Client Agent and or the Client.

2.3.28 Environmental Management

The Contractor shall comply with all relevant published legislation

2.4 Occupational Safety

2.4.1 Stacking of Materials

1. A contractor must, in addition to compliance with the provisions for the stacking of articles in the General Safety Regulations, 2003, ensure that –
 - (a) a competent person is appointed in writing with the duty of supervising all stacking and storage on a construction site;
 - (b) adequate storage areas are provided;
 - (c) there are demarcated storage areas; and
 - (d) storage areas are kept neat and under control.

2.4.2 Housekeeping and General Safeguarding on Construction Sites

1. A contractor must, in addition to compliance with the Environmental Regulations for Workplaces, 1987, promulgated by Government Notice No. R. 2281 of 16 October 1987, ensure that suitable housekeeping is continuously implemented on each construction site, including –
 - (a) the proper storage of materials and equipment;
 - (b) the removal of scrap, waste and debris at appropriate intervals;
 - (c) ensuring that materials required for use, are not placed on the site so as to obstruct means of access to and egress from workplaces and passageways;
 - (d) ensuring that materials which are no longer required for use, do not accumulate on and are removed from the site at appropriate intervals;
 - (e) ensuring that waste and debris are not disposed of from a high place with a chute, unless the chute complies with the requirements set out in regulation 14(6);
 - (f) ensuring that construction sites in built-up areas adjacent to a public way are suitably and sufficiently fenced off and provided with controlled access points to prevent the entry of unauthorized persons; and
 - (g) ensuring that a catch platform or net is erected above an entrance or passageway or above a place where persons work or pass under, or fencing off the danger area if work is being performed above such entrance, passageway, or place so as to ensure that all persons are kept safe in the case of danger or possibility of persons being struck by falling objects.

2.4.3 Hazardous Chemical Substances (HCS)

1. In addition to the requirements in the HCS Regulations, the principal contractor must provide proof in the Health and Safety Plan that:
 - (a) Material Safety Data Sheets (MSDS's) of the relevant materials / hazardous chemical substances are available prior to use by the contractor. Mention should be made how the principal contractor is going to act according to special/unique requirements made in the relevant MSDS's. All MSDS's will be available for inspection by the agent at all times.
 - (b) Exposure monitoring is done according to OESSM and by an Approved Inspection Authority (AIA) and that the medical surveillance programme is based on the outcomes of the exposure monitoring.
 - (c) How the relevant HCS's are being/going to be controlled by referring to:
 - i. Limiting the amount of HCS
 - ii. Limiting the number of employees
 - iii. Limiting the period of exposure
 - iv. Substituting the HCS
 - v. Using engineering controls

- vi. Using appropriate written work procedures
 - (e) The correct PPE is being used.
 - (f) HCS are stored and transported according to SABS 072 and 0228.
 - (g) Training with regards to these regulations was given.
2. The H&S plan should make reference to the disposal of hazardous waste on classified sites and the location thereof (where applicable).
 3. The First Aider must be made aware of the MSDS and how to treat HCS incidents appropriately.

2.4.4 Noise Induced Hearing Loss

1. Where noise is identified as a hazard the requirements of the NIHL regulations must be complied with and the following must be included / referred to in the Health and Safety Plan. The Contractor must be able to:
 - (a) Proof of training with regards to these regulations.
 - (b) That monitoring carried out by an AIA and done according to SABS 083.
 - (c) Medical surveillance programme is established and maintained for the necessary employees.
 - (d) Control of noise by means of:
 - i. Engineering methods considered
 - ii. Admin control considered
 - iii. Personal protective equipment considered/decided on
 - iv. Describe how records are going to be kept for 40 years.

2.4.5 Construction Plant encompasses all types of plant including but not limiting to, cranes, piling frames, boring machines, and excavators, draglines, dewatering equipment and road vehicles with or without lifting equipment.

1. A contractor must ensure that all construction vehicles and mobile plant –
 - (a) are of an acceptable design and construction;
 - (b) are maintained in a good working order;
 - (c) are used in accordance with their design and the intention for which they were designed, having due regard to safety and health;
 - (d) are operated by a person who -
 - i. has received appropriate training, is certified competent and in possession of proof of competency and is authorised in writing to operate those construction vehicles and mobile plant;
 - ii. has a medical certificate of fitness to operate those construction vehicles and mobile plant, issued by an occupational health practitioner in the form of Annexure 3 of Construction Regulation 2014
 - (e) have safe and suitable means of access and egress;
 - (f) (f) are properly organized and controlled in any work situation by providing adequate signalling or other control arrangements to guard against the dangers relating to the movement of vehicles and plant, in order to ensure their continued safe operation;
 - (g) (g) are prevented from falling into excavations, water or any other area lower than the working surface by installing adequate edge protection, which may include guardrails and crash barriers;
 - (h) (h) are fitted with structures designed to protect the operator from falling material or from being crushed should the vehicle or mobile plant overturn;

- (i) (i) are equipped with an acoustic warning device which can be activated by the operator;
- (j) (j) are equipped with an automatic acoustic reversing alarm; and
- (k) (k) are inspected by the authorised operator or driver on a daily basis using a relevant checklist prior to use and that the findings of such inspection are recorded in a register kept in the construction vehicle or mobile plant.

2. A contractor must ensure that –

- (a) no person rides or is required or permitted to ride on a construction vehicle or mobile plant otherwise than in a safe place provided thereon for that purpose;
- (b) every construction site is organized in such a way that, as far as is reasonably practicable, pedestrians and vehicles can move safely and without risks to health;
- (c) the traffic routes are suitable for the persons, construction vehicles or mobile plant using them, are sufficient in number, in suitable positions and of sufficient size;
- (d) every traffic route is, where necessary, indicated by suitable signs;
- (e) all construction vehicles and mobile plant left unattended at night, adjacent to a public road in normal use or adjacent to construction areas where work is in progress, have appropriate lights or reflectors, or barricades equipped with appropriate lights or reflectors, in order to identify the location of the vehicles or plant;
- (f) all construction vehicles or mobile plant when not in use, have buckets, booms or similar appendages, fully lowered or blocked, controls in a neutral position, motors stopped, wheels chocked, brakes set and ignition secured;
- (g) whenever visibility conditions warrant additional lighting, all mobile plant are equipped with at least two headlights and two taillights when in operation;
- (h) tools, material and equipment are secured and separated by means of a physical barrier in order to prevent movement when transported in the same compartment with employees;
- (i) vehicles used to transport employees have seats firmly secured and adequate for the number of employees to be carried; and
- (j) all construction vehicles or mobile plant travelling, working or operating on public roads comply with the requirements of the National Road Traffic Act, 1996.

2.4.6 Pressure Vessels Including Gas Cylinders

1. The Contractor will comply with Pressure Equipment regulations, including:
 - (a) Providing competency and awareness training to the operators;
 - (b) Providing PPE or clothing;
 - (c) Providing and maintain appropriate signage in areas Pressure equipment are used;
 - (d) Inspect equipment regularly and keep records of inspections;
 - (e) Providing appropriate firefighting equipment (Fire Extinguishers).

2.4.7 Fire Fighting Equipment & Fire Safety

1. The Contractor will provide adequate, regularly serviced fire extinguishers located at strategic points on site. The Contractor will keep spare serviced portable fire extinguishers. The Contractor will have adequate persons trained or competent to use the Fire Fighting Equipment. Safety signage will be posted; indicating locations of fire extinguishers.

Fire Safety

The Contractor shall develop fire safety and evacuation procedures for any area under his control prior to the commencement of any work thereon. The procedure shall take into consideration the size of the area, types of work being done (e.g. cutting, welding, grinding,

etc.), amount of combustible materials present etc. It shall take account of any hot work permit arrangements and all other applicable fire and evacuation procedures. All Contractor's personnel entering and working on the Project Site, shall be trained in fire safety and emergency evacuation and any other duties they are required to perform e.g. Fire Warden.

Existing fire management systems in buildings shall be maintained during construction whenever possible. Any changes shall be approved by the Client before implementation

Fire Safety Plan

The Contractor shall prepare a Fire Safety Plan which shall include:

- a) The designation and organisation of personnel to carry out fire safety duties, including fire watch service, if applicable.
- c) Emergency procedures to be used in the case of fire, including:
 - method of sounding the fire alarm;
 - notifying the fire department;
 - instructions to personnel;
 - fire-fighting procedures;
 - evacuation routes;
 - location of assembly points; and
 - Integration with existing site emergency procedures.
- c) The control of fire hazards in and around buildings.
- d) Maintenance of fire-fighting facilities.
- e) Display in strategic places a site plan that will illustrate the assembly points, locations of means of raising the alarm and extinguisher media. A plan shall be drawn up for each area under the Contractors control and shall, where appropriate, include office and welfare facilities.

2.4.8 Hired Plant and Machinery

1. The contractor will ensure that any hired plant and machinery brought to site is safe for use. The necessary requirements as stipulated by the OHS Act as well as those that are stipulated by this Occupational Health and Safety Specification, will apply. Health and Safety Induction is to be conducted with any hire plant or machinery operators and attendance of appropriate toolbox talks ensured. All operators of hired plant or machinery must be in possession of valid operator's certificates and medical certificates of fitness, as per requirement by the OHS Act.

2.4.9 Portable Electrical Tools / Explosive Power Tools

1. A contractor must, in addition to compliance with the Electrical Installation Regulations, 2009, and the Electrical Machinery Regulations, 1988, promulgated by Government Notice No. R. 1593 of 12 August 1988, ensure that –
 - (a) before construction commences and during the progress thereof, adequate steps are taken to ascertain the presence of and guard against danger to workers from any electrical cable or apparatus which is under, over or on the site;
 - (b) all parts of electrical installations and machinery are of adequate strength to withstand the working conditions on construction sites;
 - (c) the control of all temporary electrical installations on the construction site is designated to a competent person who has been appointed in writing for that purpose;
 - (d) all temporary electrical installations used by the contractor are inspected at least once a week by a competent person and the inspection findings are recorded in a register kept on the construction site; and

- (e) all electrical machinery is inspected by the authorized operator or user on a daily basis using a relevant checklist prior to use and the inspection findings are recorded in a register kept on the construction site.

2.4.10 Public Health and Safety

1. The Contractor will ensure that each person working on or visiting a site, and the surrounding community, will be made aware of the dangers likely to arise from on-site activities and the precautions to be observed to avoid or minimize those dangers. Appropriate health and safety signage must be posted at all times. No visitor will be allowed to be on site without permission of the Construction Supervisor or his/her Assistant. All visitors must complete a visitors register, which should include the name, reason for visit and contact detail of said person. Members of the pubic will not be allowed to enter the work site as this will be a high risk activity.
2. Both the Project Client / Client Agent and the Contractor have a duty in terms of the OHS Act to do all that is reasonably practicable to prevent members of the public and others being affected by the construction processes to be aware and put preventative measure in place. The public or visitors will go through a brief health and safety induction detailing hazards and risks they may be exposed to and what measures are in place to control these hazards and risks. All visitors must complete a register, which should include the name, reason for visit and contact detail of said person.

2.4.11 Facilities for Safekeeping and Eating Area (Mess Room) for workers

1. There will be a temporary structure to serve as a mess room or eating area.

2.5 Occupational Health

1. Exposure of workers to occupational health hazards and risks are very common in any work environment, especially in construction. The occupational hazards and risks may enter the body in three ways:
 - (a) Inhalation e.g. cement dust;
 - (b) Ingestion through swallowing;
 - (c) Absorption through the skin (pores) e.g. painting or use of thinners.
2. All contractors are to ensure that where employees are exposed to airborne contaminants, pre-employment medicals should be conducted to ensure fitness to work under such conditions.
3. All contractors will be responsible for the full cost of medical treatment that his staff may require; the contractor is therefore required to ensure that all his personnel are medically fit.
4. All Contractors should ensure that Occupational Hygiene surveys are conducted as per the Occupational Health and Safety Act to ensure employees is not exposed to hazards. Risk Assessments should identify areas where surveys are to be conducted.

2.6 COVID-19 (SARS-CoV-19 virus) Workplace Preparedness:

Background

Coronavirus Disease 2019 (COVID-19) is a respiratory disease caused by the SARS-CoV-2 virus and was declared a pandemic by The World Health Organisation. The Government of South Africa instituted a Nationwide lockdown from 26 March and during the lockdown only essential services where allowed to perform work. The South African Government has since decided to gradually phase out the lockdown and divided the phase out process into different levels ranging from level 5 to level 1.

To reduce the impact of COVID-19 outbreak conditions on businesses, workers, customers, and the public, it is important for all employers to plan now for COVID-19. The planning will involve updating plans to address the specific exposure risks, sources of exposure, routes of transmission, and other unique characteristics of SARS-CoV-2 (i.e., compared to influenza virus outbreaks).

Employers will be expected to comply with all requirement and regulations published by the South African Government to prevent potentially worsening outbreak conditions. Lack of continuity planning can result in a cascade of failures as employers attempt to address challenges of COVID-19 with insufficient resources and workers who might not be adequately trained for jobs they may have to perform under pandemic conditions.

The lack of contingency planning must also be addressed at the workplace as well as in the surrounding communities as this virus affects workplaces and surrounding communities.

This response plan remains in force for as long as the declaration of a national disaster published in Government Gazette 43096 on 15 March 2020 remains in force

General Precautionary Measures

COVID-19 Screening

Use checklists/Questionnaire completed daily by the employees that addresses symptoms of COVID-19 and where temperature measurements are noted. The document should at minimum include the following;

- Name and Surname of employee
- Home address
- Date Completed
- Date of Birth
- Job description
- Contact number as well as alternative contact number
- Next of kin details – Name, relationship, and contact details
- Site information

The following minimum questions regarding symptoms must form part of the document

- | | |
|----------------------------------|--------|
| ○ Fever/Chills | Yes/No |
| ○ Cough | Yes/No |
| ○ Sore throat | Yes/No |
| ○ Shortness of Breath | Yes/No |
| ○ Body Aches | Yes/No |
| ○ Redness of eyes | Yes/No |
| ○ Loss of smell OR loss of taste | Yes/No |
| ○ Nausea/vomiting/diarrhoea | Yes/No |
| ○ Fatigue/weakness | Yes/No |

- Employees temperatures must be tested at minimum twice a day.
- Ensure a minimum distance of at least 2 meters between workers.
- Avoid close contact with people suffering from acute respiratory infections.
- Frequent sanitizing and handwashing, especially after direct contact with ill people or their environment.
- Avoid crowded places and close contact with people who are unwell or showing symptoms of illness.
- People with symptoms of acute respiratory infection should practice cough etiquette (maintain distance, cover coughs and sneezes with disposal tissues or clothing, and wash hands).

- Wear N95 or surgical masks or cloth masks as per Department of Health specifications.
- Cover all wounds or cuts on hands with waterproof plasters.
- Practice good personal hygiene (e.g. after clean-up is carried out, after handling waste or other dirty items, and after visiting the toilet).
- Seek medical attention promptly if one is feeling unwell.
- All employees to be vigilant and always adopt good personal hygiene practices.
- Avoid handshakes, fist bumps or any type of physical contact.

Precautionary Measures Towards General Housekeeping / Waste Management

- Assign a team of employees to carry out cleaning and housekeeping daily.
- Provide facial masks, rubber gloves, safety glasses & other required PPE for housekeeping employees.
- Disinfect high human contact points such as doorknobs / door handles and tabletops with disinfectants such Hypochlorite, Alcohol min 70%, Hydrogen peroxide, phenolic compounds or Quaternary ammonium compounds on a daily basis. Consult labels and material safety data sheets for PPE and first aid requirements.
- Ensure waste bins are always covered/cleared daily.
- Clean up any spillages immediately.
- Clean toilets regular and pay attention to areas with high human contact such as water taps, door / towel / cistern handles, seats and cover flaps, wash basins, doorknobs, buttons and switches.
- Provide adequate supply of toilet paper.
- Do not use a common hand towel. Always use paper towel or hand dryers and liquid soap at all times.
- Ensure toilet – flushing apparatus is functioning at all times.
- Ensure that all sanitary pipes and fittings are in good working conditions.

Site Entry

- Daily toolbox talks will be introduced upon reporting for duty
- Employees will be sensitized on the precautionary measures with regard to the exposure and the personal hygiene of employees.
- Emphasize the importance of reporting symptoms such as cough, sore throat, high fever, and believe you may have been exposed to someone with the Novel Corona virus. Provide employees with the COVID-19 helpline number **0800 029 999**
- Encourage employees if they do have a mild cough or other flu like symptoms to visit the local clinic or doctor.
- If employees experience any of the above, they should report immediately to their Line Managers and / or HR Manager.
- Keep updated register of employees on site each day for tracing purposes should an employee test positive

Precautionary Measures For Handling Visitors

External visitors' access will be restricted. Only critical customer and supplier visitors will be allowed on site. Any other exceptions will also require site leader approval prior to entry.

Continued Precaution

Employees who have symptoms (such as a fever and a dry cough) or have reason to believe they were Exposed to someone diagnosed with Covid-19, may not come to work and must contact their local Human Resources representative immediately.

- Monitor themselves for fever (e.g. $\geq 37^{\circ}\text{C}$) and respiratory symptoms such as cough and breathlessness.

- If employees develop fever, cough, or breathlessness, or are feeling unwell, they should seek medical attention immediately at any outpatient clinic. Inform the clinic staff and the doctor of their travel history of the last 14 days. Wear a surgical mask before leaving their residence and avoid taking public transport.
- In emergency situations (e.g. difficulty in breathing), employees should call emergency ambulance services to take them to hospital.
- Employees should update their employer if they feel unwell and that they are seeking medical attention.

Risk assessment

Worker risk of occupational exposure to SARS-CoV-2 (the virus that causes COVID-19) during an outbreak may vary from very high to high, medium, or low (caution) risk. The level of risk depends in part on the industry type, need for contact within 2 metres (6 feet) of people known to be, or suspected of being infected with SARS-CoV-2, or requirement for repeated or extended contact with persons known to be, or suspected of being infected with SARS-CoV2. The contractor must conduct a full risk assessment addressing all hazards and risks in his/her work area associated with COVID-19.

The following classifications must be used for this purpose

Very High Exposure Risk

Very high exposure risk jobs are those with high potential for exposure to known or suspected Sources of COVID-19 during specific medical, post mortem, or laboratory procedures.

High Exposure Risk

High exposure risk jobs are those with high potential for exposure to known or suspected sources of COVID-19. Workers in this category include: Healthcare delivery and support staff (e.g. doctors, nurses, and other hospital staff who must enter patients rooms) exposed to known or suspected COVID-19 patients.

Medium Exposure Risk

Medium exposure risk jobs include those that require frequent and/or close contact with (i.e. within 2 meters of) people who may be infected with SARS-CoV-2, but who are not known or suspected COVID-19 patients. In areas without ongoing community transmission, workers in this risk group May have frequent contact with travellers who may return from international locations with widespread COVID-19 transmission.

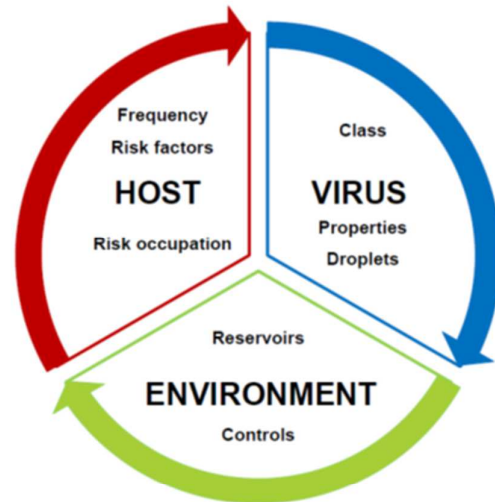
Lower Exposure Risk (Caution)

Lower exposure risk (caution) jobs are those that do not require contact with people known to be, or suspected of being infected with SARS-CoV-2, nor frequent close contact with (i.e. within 2 meter of) the general public. Workers in this category have minimal occupational contact with the public and other co-workers.

Back to basics....

Hazard identification & Risk assessment

- A risk assessment should be conducted in the workplace to determine the **RISK** of **EXPOSURE** to **COVID-19** and be **communicated to all workers**.
- This should be assessed with all other hazards
 - Biological, Physical, Chemical, Ergonomic
 - Psychosocial - exposure to long working hours, psychological distress, fatigue, occupational burnout, stigma, physical and psychological violence



Different workers have different risk exposures: based on job specific risk assessments, consider the following:

Implementing Workplace Controls

The legislation governing workplaces in relation to COVID – 19 is the Occupational Health and Safety Act, Act 85 of 1993, as amended, read with the Hazardous Biological Agents Regulations. Section 8 (1) of the Occupational Health and Safety (OHS) Act, Act 85 of 1993, as amended, requires the employer to provide and maintain as far as is reasonably practicable a working environment that is safe and without risks to the health of employees. Specifically section 8(2)(b) requires steps such as may be reasonably practicable to eliminate or mitigate any hazard or potential hazard before resorting to personal protective equipment (PPE). However, in the case of COVID-19, a combination of controls is required, although the main principle is to follow the hierarchy of controls.

With COVID-19, it may not be possible to eliminate the hazard, the most effective protection measures are (listed from most effective to least effective): engineering controls, administrative controls, safe work practices (a type of administrative control), and PPE. There are advantages and disadvantages to each type of control measure when considering the ease of implementation, effectiveness and cost. In addition to the types of workplace controls discussed below, the National Institute for Communicable Diseases (NICD) provides fact sheets that guide specific workplaces (employers and employees) in relation to recommended infection prevention strategies to implement in workplaces.

Engineering Controls

Engineering controls involve isolating employees from work-related hazards. In workplaces where they are appropriate, these types of controls reduce exposure to hazards without relying solely on worker behaviour and can be the most cost-effective solution to implement.

Engineering controls for SARS- CoV-2 include:

- Installing high-efficiency air filters (not to be relied on as the most appropriate in isolation of other controls).
- Increasing ventilation rates in the work environment.
- Installing physical barriers such as face shields.
- Specialized negative pressure ventilation in some settings (e.g. airborne infection isolation rooms in healthcare settings and autopsy rooms in mortuary settings).

Administrative Controls

Administrative controls require action by the employee and employer. Typically, administrative controls are changes in work policy or procedures to reduce or minimize exposure to a hazard. Examples of administrative controls for SARS-CoV-2 include:

- Encouraging sick workers to stay at home.
- Minimizing contact among workers, clients, and customers by replacing face-to-face meetings with virtual communications e.g. conference calls, Skype, etc.
- Minimizing the number of workers on site at any given time e.g. rotation or shift work.
- Discontinuing nonessential local and international travel. Regularly check travel advice from the Department of Health at: www.health.gov.za
- Developing emergency communications plans, including a task team for answering workers' concerns and internet-based communications, if feasible.
- Providing workers with up-to-date education and training on COVID-19 risk factors and protective behaviours (e.g. cough etiquette and care of PPE).
- Training workers who need to use protective clothing and equipment on how to put it on, use/wear it and take it off correctly, including, in the context of their current and potential duties. Training material should be easy to understand and available in the appropriate language and literacy level for all workers.

Safe Work Practices

Safe work practices are types of administrative controls that include procedures for safe and proper work used to reduce the duration, frequency, or intensity of exposure to a hazard. Examples of safe work practices for SARS-CoV-2 include:

- Providing resources and a work environment that promotes personal hygiene. For example, no-touch refuse bins, hand soap, alcohol-based hand rubs containing at least 70 percent alcohol, disinfectants, and disposable towels for workers to clean their hands and their work surfaces.
- Requiring regular hand washing or using of alcohol-based hand rubs. Workers should always wash hands when they are visibly soiled and after removing any PPE.
- Display handwashing signs in restrooms.

Personal Protective Equipment (PPE)

While engineering and administrative controls are considered more effective in minimizing exposure to SARS-CoV-2, PPE may also be needed to prevent certain exposures. While correctly using PPE can help prevent some exposures, it should not take the place of other prevention strategies. Examples of PPE include: gloves, goggles, face shields, face masks, gowns, aprons, coats, overalls, hair and shoe covers and respiratory protection, when appropriate. During an outbreak of an infectious disease, such as COVID-19, recommendations for PPE specific to occupations or job tasks may change depending on geographic location, updated risk assessments for workers, and information on PPE effectiveness in preventing the spread of COVID-19. Employers should check the NICD website regularly for updates about recommended PPE.

All types of PPE must be:

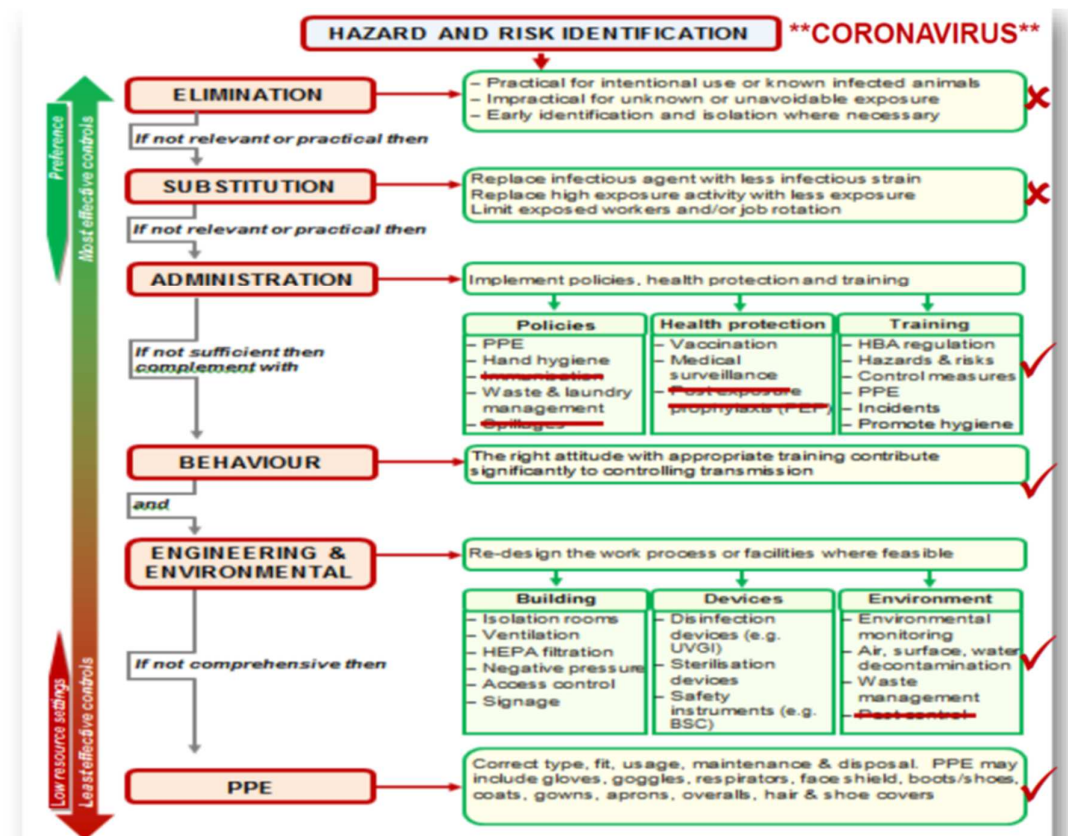
- Selected based upon the hazard to the worker.
- Properly fitted (e.g., respirators).
- Consistently and properly worn when required.
- Regularly inspected, maintained, and replaced, as necessary.
- Properly removed, cleaned, and stored or disposed of, as applicable, to avoid contamination of self, others, or the environment.

Employers are obligated to provide their workers with PPE needed to keep them safe while

performing their duties. The types of PPE required during a COVID-19 outbreak will be based on the risk of being infected with SARS-CoV-2 while working and job tasks that may lead to exposure. Workers, including those who work within 2 meters of patients known to be, or suspected of being, infected with SARS-CoV-2 and those performing aerosol-generating procedures, need to use respirators:

- Approved N95 filtering half face respirators as a minimum used in the context of a comprehensive, written respiratory protection program that includes fit-testing, training, and medical exams.
- The appropriate form of respirator will depend on the type of exposure and on the transmission pattern of COVID-19.

The process of implanting the hierarchy of controls may be summarised in Figure, below. If the first step of the hierarchy is not applicable, the employer must move to the next step.



Emergency Plan

Emergency preparedness plan must include the requirements as published by The Department of Employment and Labour in order to address any emergencies connected to the COVID-19 Virus that may occur on site.

Contractors must in accordance with regulations published make the following appointments

COVID Manager

COVID-19 Direction on Health and Safety in the Workplace issued by the Minister in terms of Regulation 10(8) of the National Disaster Regulations. - Administrative measures

16. Every employer must establish the following administrative measures:

16.5 It must appoint a manager to address employee or workplace representative concerns and to keep them informed and, in any workplace in which an health and safety committee has been elected, consult with that committee on the nature of the hazard in that workplace and the measures that need to be taken;

COVID – 19 Compliance Officer

- (a) Will Oversee
 - (i) implementation of the plan referred to in subregulation (b): and
 - (ii) adherence to the standards of hygiene and health protocols relating to COVID -19 at the workplace:
- (a) develop a plan for the phased in return of their employees to the workplace, prior to reopening the workplace for business, which plan must correspond with Annexure E and be retained for inspection and contain the following information:
 - (i) which employees are permitted to work;
 - (ii) what the plans for the phased -in return of their employees to the workplace are;
 - (iii) what health protocols are in place to protect employees from COVID-19; and
 - (iv) the details of the COVID -19 compliance officer:
- (c) phase in the return of their employees to work to manage the return of employees from other provinces, metropolitan and district areas: and
- (d) develop measures to ensure that the workplace meets the standards of health protocols, adequate space for employees and social distancing measures for the public and service providers, as required.

Guidelines for symptom monitoring and management of essential workers for COVID-19 related infection

Employees should be screened for COVID-19 (**All employers must ensure that thermal meters is available at each work area**) related symptoms and report such symptoms to a designated person and / or occupational health practitioner prior to entry into the workplace or work area in order for a decision to be made as to the staff member's continued attendance at work.

At the start of a shift and prior to ending the shift, designated persons and / or occupational health practitioner must check with employees whether they have experienced sudden onset of any of the following symptoms: cough, sore throat, shortness of breath or fever/chills (or $\geq 38^{\circ}\text{C}$ measured temperature if this is available at the worksite), in the past 24 hours as outlined in the symptom monitoring sheet. These are the current criteria for the identification of persons under investigation (PUI).

Should an employee report any of the abovementioned symptoms, s/he should immediately be provided with a surgical mask and referred to the designated staff at the workplace so that arrangements can be made for COVID-19 testing at the closest testing centre.

Should an employee report any additional symptoms as outlined in the symptom monitoring sheet, she/he should be provided with a surgical mask and referred to the occupational health clinic, family practitioner or primary care clinic for further clinical evaluation and requirement for COVID-19 testing if indicated.

On receiving their results, the employee and/or health professional supporting the employee should notify their workplace so that the employee is managed accordingly. The workplace should proactively take steps to obtain this information to avoid any delays in reporting.

All employees on returning to work after isolation or quarantine period, should follow general work restrictions that include:

- undergo medical evaluation to confirm that they are fit to work

- wearing of surgical masks at all times while at work for a period of 21 days from the initial test
- implement social distancing measures as appropriate (in the case of health workers avoiding contact with severely immunocompromised patients)
- adherence to hand hygiene, respiratory hygiene, and cough etiquette
- continued self-monitoring for symptoms, and seek medical re-evaluation if respiratory symptoms recur or worsen

OCCUPATIONAL HEALTH AND SAFETY SPECIFICATION REQUIREMENTS FOR CONSTRUCTION

ANNEXURE A

Notification of Intention to Commence Construction / Building work	To be completed and logged with the Department of Labour	Before commencement on site
Assignment of Responsible Person to Manage Building Work	All relevant appointments as per OHS Act	Before commencement on site
Assignment of Responsible Person to Supervise Building Work	All relevant appointments as per OHS Act	Before commencement on site
Medical Certificates of Fitness for all personnel on site	As per specifications and OHS Act	Before commencement on site
Competency for Responsible Persons	As per specifications and OHS Act	Before commencement on site
Compensation of Occupational Injuries and Diseases Act (COIDA) 130 of 1993	COIDA Requirement	Before commencement on site and during construction period
Occupational Health and Safety Policy	Contractor's Responsibility	At tender stage
Health and Safety Organogram.	Contractor's Responsibility	Before commencement on site
Health & Safety Representative	Section 17 OHS Act	Submit as soon as there are more than 20 employees on site

Assignment of Contractor's Responsible Persons

ANNEXURE B

The contractor **will** make the following appointments where applicable and ensure that CV's and competency certificates are attached to the relevant appointments* but are not limited to:

16.2 (Competent Person for OHS) - OHS 16(2)*
Construction Safety Officer - CR 8(5)*
Work Supervisor – OHS Act section 8(2)(e)
Risk Assessor - CR 9(1)
Demolition Supervisor CR 14
Construction Vehicle & Mobile Plant Operator - CR23(1)(d)*
Stacking & Storage Supervisor - CR 28(a)
Fire Equipment Inspector - CR 29(h)
Emergency Coordinator - ER 9
First Aider/s - GSR 3 (Compulsory)
Hazardous Chemical Substance Supervisor - HCS Regulations
Incident / Accident Investigator - GAR 9(2)
Portable Electrical Equipment inspector EMR 10(4)
Ladder Inspector - GSR 13 A
Section 8 Hand Tool Inspector
GSR 2 PPE Inspector
COVID-19 Manager
COVID-19 Compliance Officer

OTHER Occupational Health and Safety Specification REQUIREMENTS**ANNEXURE C**

The contractor will comply and not be limited to the following requirements:

What	When	Output	Reference information
Awareness training Toolbox talks	Twice a week and before hazardous work is carried out	Attendance Register	
DSTI	Daily before work starts	Signed document	
Health and Safety Committee Meetings	Monthly	Minutes signed by the employer (Contractor) Covering: a) Health and Safety Representative Checklist	
Health and Safety Reports	Monthly	Report covering: a) Incidents/Accidents and Investigations b) Non-conformance c) Health and Safety Training d) HIRA Updates e) Internal and External Audits	Incident reporting and investigation for The Project Client / Client Agent & Contractor form
General Inspections	As per Occupational Health and Safety Specification and OHS Act	Report on Occupational Health and Safety Specification and OHS Act compliance: a) Scaffolding b) Lifting Machinery c) Excavations	
General Inspections	Monthly	Covering: a) Firefighting Equipment b) First Aid boxes c) Portable Electrical Equipment d) Ladders e) Vehicle & plant inspections	
Record keeping	Ongoing	Covering: a) General complaints b) Fines c) General incidents d) MSDS e) Surveillance Medicals f) Inspection Register	
Permits	Before commencement with certain activities	As stipulated by the Occupational Health and Safety Specification and the OHS Act / Construction Regulations	

SAFETY FILE REQUIRMENTS

ANNEXURE D

The contractor will comply and not be limited to the following requirements:

Item	Description
1.	OHS Act section 37.2 Mandatory Agreement
2.	EHS Plan <u>(Approved by Client as well as contractor responsible person)</u>
3.	Contractor Policies & COVID-19 Policy <u>(As well as proof of communication to employees)</u>
4.	Scope of Work & <u>Letter of award of contract</u>
5.	Contractor Public Liability Insurance Cover <u>(Proof of cover and policy number)</u>
6.	Client SHE Specifications <u>(Proof of communication to Construction Manager & Supervision)</u>
7.	Letter of Good Standing with a Licenced Compensation Commissioner (COLD)
8.	Organisation Structure <u>(Must indicate legal appointment reference, contact number as well as e-mail address where applicable)</u>
9.	Induction <u>(Copy of training material and proof of training COVID-19 Included)</u>
10.	Risk Assessments including Baseline Risk assessment <u>(Approved risk assessment by contractor and Agent as well as proof of communication to all employees)</u>
11.	Area Emergency Plan site specific <u>(Proof of communication to employees)</u>
12.	All Safe work procedures relevant to tasks that will be performed tasks identified as medium and high-risk activities during risk assessment process
13.	Appointments Letters <u>(Copy of legal appointments and competency/CV/Certificates)</u>
14.	Personal Protective Equipment <u>(Proof of issue as well as monthly inspections by supervision)</u>
15.	Workers Welfare Facilities & Waste Management <u>(Plot plan and inspections)</u>

16.	Toolbox Talks <u>(Topics and proof of communication)</u>
17.	Site EHS Meetings Arrangements
18.	Equipment/Tools Inspections Checklist/Registers
19.	Incident Investigations
20.	Medical Surveillance Certificates <u>(List of employees on site indicating medical status “Fit for work & Medical restrictions) Copies of ID’s included</u>
21.	Copy of the Act & WCL2 Forms
22.	MSDS’S of all chemicals that will be used on site (16 Point MSDS as required by law)
23.	Wayleaves and Permits

**MANDATORY AGREEMENT ON ENVIRONMENTAL, HEALTH AND SAFETY
ISSUES**

ENTERED INTO AND BETWEEN

GEORGE MUNICIPALITY

(Hereinafter referred to as the "Employer")

and

.....

Contractor

Compensation Fund Number:

Whereas the Employer has called for the executing of the following work: **ALTERATIONS AND ADDITIONS TO THE MUNICIPAL VEHICLE WORKSHOP, 122 MITCHELL STREET, GEORGE**, and whereas the Contractor undertook to carry out the work and whereas Employer and the Contractor have agreed to regulate the environmental, occupational health and safety responsibilities as between them, now therefore the undersigned agree to:

Section A: Occupational Health and Safety

- 1) The Contractor warrants that all his and his sub-Contractors' employees are covered in terms of the provisions of the Compensation for Occupational Injuries and Diseases Act 1993, which cover shall remain in force whilst any such employees are present on Employer premises. The Contractor will only allow sub-Contractors on site with the prior written consent of the Employer.
- 2) The Contractor warrants that it is in possession of Public liability insurance cover and any other insurance cover of that will adequately make provision for any possible losses and/or claims arising from his and/or his sub-Contractors and/or his employees' acts or omissions on Employer premises, which shall remain in force whilst he and/or his sub-Contractor and/or his employees are present on Employer premises or which shall remain in force for the duration of his contractual relationship with the Employer, whichever period is the longer.
- 3) The Contractor undertakes to ensure that he and/or his sub-Contractors and/or their respective employees will at all times comply with all the requirements of the Occupational Health and Safety Act, Act 85 of 1993 (OHS-Act) and that he is an employer in his own regard. The Contractor (Mandatory) therefore and Employer therefore enter into this agreement by virtue of Section 37(2) of the OHS-Act, without derogating from this general undertaking, also comply with the following conditions:
 - (a) All work being done will be preceded by hazard identifications and risk assessments and these hazards and risk will eliminated, controlled or mitigated where reasonably practicable.
 - (b) All work performed on Employer premises must be performed under the close supervision of the Contractor's Supervisors on site. Such supervisors are to be conversant with the hazards associated with any work that the Contractor performs on the stated premises as well as the mitigating and controlling measures to be implemented.
 - (c) Contractor employees must be medically fit to perform the work they are required to perform. Proof of completed Annexure 3, medical fitness and biological monitoring is to be provided to the Employer authorised representative on request of the Employer. The contractor is specifically but not exclusively referred to: Hazardous Substances Act, Employment Equity Act, Construction Regulations 2014, Hazardous Chemical Substances Regulations, Lead Regulations, Asbestos Regulations, Hazardous Biological Agents Regulations, Noise Induced Hearing Loss Regulations, etc.

- (d) The Contractor's Chief Executive Officer shall assume the responsibility in terms of Section 16(1) of the Occupational Health and Safety Act. If the Contractor assigns any duty in terms of Section 16(2), a copy of such written appointment shall immediately be forwarded to the Employer, as well as all other appointments made in terms of the Occupational Health and Safety Act.
- (e) The Contractor shall ensure that he familiarizes himself with the requirements of the Occupational Health and Safety Act and that he, his employees and any sub-Contractor comply with its requirements.
- (f) The Contractor shall appoint competent employees who shall be trained and conversant on any Occupational Health and Safety aspect pertinent to them or to the work that is to be performed. No employee will be employed on the site by the Contractor, which has not been employed for at least six months prior to the contract commencing in a similar position by the Contractor.
- (g) The Contractor shall strictly enforce discipline regarding Occupational Health and Safety.
- (h) The Contractor shall ensure that his employees are issued and use the required Personal Protective Equipment (PPE). PPE will only be used as a last resort where other mitigating measures are not reasonably practicable.
- (i) Safe work procedures shall be implemented and enforced; all employees shall be made conversant with the contents of these practices.
- (j) No unsafe or illegal equipment/machinery, personal protective equipment and/or articles shall be used on Employer premises.
- (k) Those incidents and accidents mentioned in the Occupational Health and Safety Act shall be reported by the Contractor to the Department of Labour as well as to the Employer. The Employer shall further be provided with copies of any written documentation relating to any incident.
- (l) All employees of the Contractor shall be made conversant with work-related hazards and procedures to mitigate or eliminate these hazards.
- (m) The Contractor warrants that he shall act as a professional in his field of expertise and has identified all hazards and risks associated with the work to be performed.
- (n) The Employer and Contractor hereby obtains an interest in the issue of any investigation or formal inquiry conducted in terms of the Occupational Health and Safety Act pertaining to any incident involving the Contractor and/or his employees and/or his sub-Contractor/s.

- (o) No use shall be made of any Employer machinery/article/substance or personal protective equipment without written approval and without ensuring prior and during use it is in a proper condition and as such will not cause any risk to the health and safety of any person.
- (p) Work for which the issuing of a permit is required shall not be performed prior to the obtaining of a duly completed and approved permit.
- (q) No alcohol or other intoxicating substance shall be allowed on the Employer's premises. Anyone suspected of being under the influence of alcohol or any other intoxicating substance (including medicines) shall not be allowed on the premises.
- (r) Full co-operation shall be given if and when the Employer's employees inquire into occupational health and safety issues.
- (s) The Contractor will cease dangerous or unsafe work immediately when requested to do so by the Employer or its representatives. The onus still remains on the contractor to enforce health and safety practices.
- (t) The Contractor confirms that he has been informed that he must report to the Employer management (in writing) anything that he deems to be unhealthy and/or unsafe. He has informed his employees and/or sub-Contractors in this regard.
- (u) The Contractor warrants that he shall not endanger the health and safety of Employer employees, members of the surrounding community and/or visitors in any way whilst performing any work on Employer premises.
- (v) The Contractor undertakes to reimburse the Employer for all medical costs incurred relating to any of the Contractor's employees.
- (w) Should the contractor be performing "construction work" as defined in the Construction Regulations 2014 of the OHS-Act, the contractor will therefore ensure full compliance with said regulations

Section B: General and Environmental legal compliance

- 1) The Contractor will ensure compliance to all environmental legislation.
- 2) The Contractor undertakes to comply with all labour related legislation while performing work for the Employer.
- 3) The Contractor will be accountable and liable for all fines, penalties and civil action arising out of his and his employee's, contractor's or agent's acts and omissions. The Contractor will hold the Employer harmless against any such claims or actions.

Section C: Special conditions

- 1) This agreement shall remain in force for the complete duration of the specified work done for the Employer unless revoked in writing.
- 2) The Contractor representative shall be bound *in solidum (jointly and severally)* in terms of this agreement.
- 3) The Contractor undertakes to adhere to all the Employer's rules and regulations as well as all guidelines and other addendums that may be annexed hereto. The Contractor will ensure that all his employees are conversant with these annexures, where applicable.
- 4) “*Employer Premises*” in this agreement will include Client premises.
- 5) The Employer retains the right to stop any work deemed dangerous regarding the health and safety of employees, Client representatives, public or visitors. Work may also be stopped as a result of legal noncompliance's observed during audits, the contractor will be responsible for any damages and costs suffered as a result of work stoppages.

Date	
Place	
Signed by: Client: _____	Mr. _____
Date	
Place	
Signed by contractor or his authorized representative:	Mr. _____
Notes <ol style="list-style-type: none"> 1. Initial each page and annexures 2. Verify all corporate entity names and site them correctly 3. Verify insurances and COIDA 4. Verify signatory authority 5. Keep original 6. Initial where amended or writing added 7. To be signed before commercial agreement 8. Ensure commercial contract do not override this agreement. 	

**APPOINTMENT AS THE PRINCIPAL CONTRACTOR OF CONSTRUCTION WORK
IN TERMS OF CONSTRUCTION REGULATION 5(1)(k) OF THE
OCCUPATIONAL HEALTH AND SAFETY ACT, (85 OF 1993) AS AMENDED**

NAME OF CLIENT: GOERGE MUNICIPALITY

IN TERMS OF THE ABOVE-MENTIONED ACT:

I/WE (FOR EMPLOYER) having been appointed to ensure full
compliance with the OHSA and Regulations, hereby appoint you
Manager-Section **Full name**

On behalf of as Principal Contractor of Construction Work in
terms of the Construction Regulation 5(1)(k). The appointment is for the following project:

**ALTERATIONS AND ADDITIONS TO THE MUNICIPAL VEHICLE WORKSHOP, 122 MITCHELL
STREET, GEORGE**

YOUR RESPONSIBILITIES ARE TO:

1. Comply with all the duties imposed on a Principal Contractor by the Construction Regulations.
2. Supervise all Construction work on the premises in accordance with CR 5(1)(k).
3. Ensure compliance with the health and safety specifications prescribed by the client or his agent for this project.
4. Ensure compliance with all the requirements of the National Building Regulations.
5. Ensure that all contractors appointed by yourself, and reporting to you, comply with the requirements as stipulated in the Construction Regulations.
6. Ensure that information and specifications to carry out work safely are communicated to all contractors appointed and reporting to you.
7. To ensure that all records, registers, and documentation are maintained and that all persons appointed to carry out tasks are competent and possess the necessary resources to complete their tasks effectively and in such manner that the health and safety of persons are not compromised.
8. Report to the client as per the agreed safety plan on all deviations and progress.

This appointment will become effective on the date of acceptance thereof and will be valid until completion of the construction work.

Please confirm your acceptance of this appointment by signing and returning to me the duplicate copy of this letter.

Signature:
Manager (for employer)

Designation:

Date:

ACCEPTANCE

Iunderstand the implications of the appointment and confirm my acceptance of this appointment. I have studied the relevant sections of the Act and Regulations and understand what is required of me.

Signed:

Date: