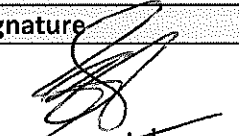
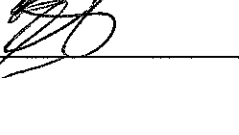


	SHEC MANAGEMENT SYSTEM	Doc no:	SHEC 3.2
		Rev no:	001
	3. SAFE OPERATING PROCEDURES & METHOD STATEMENTS	Rev date:	22/10/2021
		File name:	214 - MS-006-Fuel handling, Storage & Spillage Mgmt.

Contract no: #214

Contract name: #214 - Hemel en Aarde

METHOD STATEMENT 006 – FUEL HANDLING, STORAGE AND SPILLAGE MANAGEMENT

BASELINE CIVIL CONTRACTORS (PTY) LTD SUBMISSION FOR ACCEPTANCE				
	Name	Designation	Date	Signature
Prepared	Christoff Els	Site Agent	29/10/2021	
Approved	Thomas Moolman	Contracts Manager	29/10/2021	
Submitted	Christoff Els	Site Agent	29/10/2021	

ENGINEERS APPROVAL				
	Name	Designation	Date	Signature
Engineers Acceptance	G. LAUNGER	SUPERVISOR	02/11/2021	 ACCEPTED
Health and Safety Acceptance				
Environmental Acceptance				

WHAT work is to be undertaken?

Storage of fuel, oil, grease and gas, as well as refuelling, preventing and handling of fuel spills

WHERE are the works to be undertaken?

Hemel en Aarde (Hermanus) and Caledon

WHEN are the works to start, what is the anticipated finish date?

September 2021 - December 2022

HOW are the works to be undertaken?**Resources**Labour

- Operators;
- Mechanic;
- Mechanic assistant;

Plant and equipment

- LDV's;
- 12m container;
- 20 000L diesel hauler;
- 3 000L diesel bowser truck.

Material

- Firefighting equipment (on plant);
- Adequate warning signage on site;
- Spill kits;
- Bund wall;
- Adequate storage drums and containers;
- Locks and chains (for the lock out procedure).

PPE

- Fire retardant overall (for the employees working with the diesel)
- Safety boots
- Chemical gloves
- Reflective vest
- Respirator (depending on ventilation)
- Ear plugs in areas with high noise volumes

Method description

1. The works

1.1. Fuel, oil and gas storage

- 1.1.1. We will be storing fuel, oil, grease and gas under controlled conditions in a camped-off area within the site camp
- 1.1.2. This area will be at least 30m away from the nearest watercourse or drainage channel
- 1.1.3. The smaller storage containers will be stored in a shipping steel container that can be locked and ventilated.
- 1.1.4. We will make use of a 3 000L diesel truck that will distribute diesel to all plant on site and will be refuelled at the bulk diesel truck hauler.
- 1.1.5. Oils will be stored in sealed 20L drums, grease in closed pails, and petrol for small plant will be kept in sealed 20L containers in a secure and ventilated steel container.
- 1.1.6. The gas cylinders will be secured and stored in a locked welded steel cage, bolted to the outside of the workshop's shipping steel container.

1.2. Servicing, refuelling of vehicles and other machines

- 1.2.1. Servicing and refuelling will be undertaken at the construction camp within the demarcated machine parking area and on site.
- 1.2.2. Drip trays, minimum of 10cm deep, to catch leakages will be placed under the area of the machine being serviced or refuelled.
- 1.2.3. Servicing will be done by both ourselves (in house mechanics) and the relevant agents.
- 1.2.4. The above precautions will apply to both parties.
- 1.2.5. Emergency servicing will only be undertaken on the broader site if there is not any other option
- 1.2.6. Should this be necessary the same precautions will be taken as for servicing within the dedicated area.
- 1.2.7. Sufficient oil and fuel spillage absorbing materials to cope with a 200l spill, such as Enretech, will be kept on site at all times.
- 1.2.8. Should there be a major spill, in excess of 100l, the ECO, GNEC will be contacted and reported to relevant authorities.

2. Health and safety

- 2.1. All employees will be inducted prior to site access.
- 2.2. PPE will be provided to ensure that harmful contact with any fuel, oil, grease and gas does not occur.
- 2.3. Risk assessments will be used to train all site personnel on all risks within this working environment.
- 2.4. MSDS for different types of hazardous chemicals to be available and communicated to potentially affected employees.
- 2.5. Machine operators will be medically tested and deemed fit, and authorized in writing.
- 2.6. Employees will attend annual medical evaluation by an occupational health practitioner to evaluate their health
- 2.7. All machine operators will be licensed and competent.
- 2.8. Daily, weekly and monthly monitoring, reviewing and reporting will be done on site
- 2.9. Emergency control numbers and procedures will be readily available on site at all times.
- 2.10. All the required warning and safety signage will to be obtained and displayed strategically.
- 2.11. All incidents and accidents will be reported immediately to the H&S Officer.

3. Environmental

- 3.1. All employees will be inducted by the appointed ECO, GNEC, as indicated in the EMP prior to site access.
- 3.2. All areas used for storing of fuels, oil, grease and gas will be pre-approved by the ECO, GNEC.

- 3.3. All areas will be demarcated and where hazardous materials is present there will be a bund area constructed and ground coverage will be placed to reduce the risk of natural ground exposure.
- 3.4. Storage facilities will be within a safe distance from water sources and plantation.
- 3.5. Signage will be placed at no-go areas.
- 3.6. All works will be monitored and minimum environmental disturbance will be enforced by site Supervision.
- 3.7. Spillage in excess of 100l need to be reported to the appointed ECO, GNEC.
- 3.8. Spill kits to be readily available to clean any form of soil contamination.