

	SHEC MANAGEMENT SYSTEM	Doc no:	SHEC 3.2
		Rev no:	001
	3. SAFE OPERATING PROCEDURES & METHOD STATEMENTS	Rev date:	15/09/2019
		File name:	999 - MS-006-Fuel Handling

Contract no: C1049.03

Contract name: UPGRADING OF DIVISIONAL ROAD 1098 (KM5, 47 TO KM8, 79 AND REHABILITATION OF DIVISIONAL ROAD 1098 (KM8, 79 TO KM14, 24)

METHOD STATEMENT 006 – FUEL STORAGE AND SPILLS

BASELINE CIVIL CONTRACTORS (PTY) LTD SUBMISSION FOR ACCEPTANCE				
	Name	Designation	Date	Signature
Prepared	JOHAN LUBBE	Safety Officer		
Approved	MARK CLOETE	Site Agent		
Submitted				

ENGINEERS APPROVAL				
	Name	Designation	Date	Signature
Engineers Acceptance				
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?

JOOSTENBERGVLAKE, Waarburgh Road

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

Start: November 2023, End: June 2025

HOW are the works to be undertaken?

Resources

Labour

- Labourers
- Supervisor
- Competent Operators
- Diesel Bowser truck driver

Plant and equipment

- 1 x 2000L Diesel Truck
- LDV
- LDV Trailer
- 500L Bowser
- Shipping steel container
- Steel cage that can be locked

Material

- 200L Spill kit
- 20L Storage drums and containers
- Bund structure
- Ready fence panels
- 2.4m Timber poles
- Locks
- H&S, environmental and warning signage

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 fuel truck and the bigger storage containers will be parked and stored in a bund structure with a concrete floor.
- 1.1.4. The smaller storage containers will be stored in a shipping steel container that can be locked.
- 1.1.5. We will make use of a 2000L diesel truck that will distribute diesel to all plant on site and will be refuelled at the nearest commercial diesel depot or by a bulk diesel truck hauler in a bund area on site.
- 1.1.6. The diesel truck will be parked in a bund area at the main site camp every night.

- 1.1.7. No static diesel storage tanks will be used.
- 1.1.8. 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 steel container.
- 1.1.9. All fuel storage containers will be kept in a bund area or on separate drip trays to prevent contamination.
- 1.1.10. The gas cylinders will be 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 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. If 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 we will contact the emergency services of the local authority and disaster management.

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. Machine operators will be medically tested and deemed fit.
- 2.5. Employees will attend annual medical evaluation by an occupational health practitioner to evaluate their health.
- 2.6. All machine operators will be licensed and competent.
- 2.7. Daily, weekly and monthly monitoring, reviewing and reporting will be done on site.
- 2.8. Emergency control numbers and procedures will be readily available on site at all times.
- 2.9. All the required warning and safety signage will be in place.
- 2.10. All incidents and accidents will be reported immediately to the H&S Officer.

3. Environmental

- 3.1. All employees will be inducted prior to site access.
- 3.2. All areas used for storing of fuels, oil, grease and gas will be pre-approved by the appointed ECO, GNEC.
- 3.3. All areas will be demarcated and where hazardous material 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
- 3.7. All incidents and accidents will be reported immediately to the appointed ECO, GNEC.

4. Annexures

Annexure A – Layout drawings of the fuel, oil, grease and gas storage areas in the site camp