

	SHEC MANAGEMENT SYSTEM	Doc no:	SHEC 3.2
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	3. SAFE OPERATING PROCEDURES & METHOD STATEMENTS	Rev date:	15/09/2019
		File name:	999 - MS-005-Waste Management

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 005 – INTEGRATED WASTE MANAGEMENT

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?

Handling solid waste, litter and hazardous waste

WHERE are the works to be undertaken?

Joostenbergvlakte, 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

- Truck driver
- General Labourers
- Supervisor

Plant and equipment

- Honey sucker truck
- 1 x 1,5m³ Loader
- LDV's and Trailers
- 3m³ tipper trucks
- 10m³ tipper trucks

Material

- Varies throughout the project

Method description**1. The works****1.1. Solid waste**

- 1.1.1. Solid waste will be kept in the site camp within a demarcated area.
- 1.1.2. Construction rubble, like pipe off-cuts for example, will be collected and removed from the construction site and stored in a designated spoil area in the surroundings of the site camp.
- 1.1.3. Once a load is assembled, this will be taken to a registered dump site.

1.2. Litter

- 1.2.1. Litter bins with lids will be placed in the construction site camp, office and laboratory areas and will be clearly labelled, indicating the type of waste allowed in it.
- 1.2.2. We will endeavour to separate materials for recycling purposes.
- 1.2.3. The litter bins will be regularly emptied at a registered dump site.
- 1.2.4. Empty cement bags will be stored in a closed-off ready fence panel cage or empty 200L drums to protect them against wind distribution.
- 1.2.5. Once there is enough litter for a full load in this cage and drums, it will then be disposed of at a registered dump site.
- 1.2.6. Full cement bags will be stored in a steel container on pallets if the quantity is small and bulk cement bag deliveries for stabilization will be stored on pallets on a hard stand area in the site camp. at the laydown area designated for cement storage at the place where cement will be used.
- 1.2.7. Any bags removed from the site camp laydown area and not used will be returned at night.

- 1.2.8. Regular clean up parades will be conducted.
- 1.2.9. No litter shall be burned or buried on site.

1.3. Hazardous waste

- 1.3.1. Any old oils and diesel (including oil rags) generated from machines will be removed from site by our site mechanics.
- 1.3.2. These hydrocarbon products will be stored in closed containers within a bund area or drip trays until removed from site.
- 1.3.3. It will be taken back to our head office workshop from where an approved subcontractor collects and disposes thereof at a registered dump site.
- 1.3.4. Delivery and collection dockets for this waste are kept at our head office and can be issued as proof of disposal and need to be filed in the Environmental Management Safety file.
- 1.3.5. Other hazardous waste will also be stored in a bund area and will be removed and disposed of at approved registered dump sites.

1.4. Sewage removal

- 1.4.1. Sewage will be removed on a weekly basis with our internal honey sucker truck and further by a competent external subcontractor if needed.
- 1.4.2. Sewage will be dumped at an approved local authorised location.

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 waste does not occur.
- 2.3. Employees required to work with sewage will be injected with a hepatitis injection to protect them against illness caused by working in the vicinity of sewage.
- 2.4. Risk assessments will be used to train all site personnel on all risks within this working environment.
- 2.5. Machine operators will be medically tested and deemed fit.
- 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 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 waste will be pre-approved by the appointed ECO, GNEC.
- 3.3. All areas will be demarcated and where hazardous waste 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. Waste will be stored 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.