

	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-007-Bitumen storage

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 007 – STORAGE OF BITUMINOUS PRODUCTS AND MATERIALS

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 bituminous products and materials on site

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

- Varies throughout the project

Plant and equipment

- Static storage tanks within bund structure
- Plant varies throughout the project

Material

- Bituminous products
- H&S, environmental and warning signage

Method description

1. The works

- 1.1. Bituminous products in drums or static tanks will be stored in a bund area in the site camp
- 1.2. The volume of the bund structure will be calculated as 10% more of the product being stored
- 1.3. This area is indicated on the site camp layout plan (see Annexure A)
- 1.4. See Figure 1, on page 3 of 3, for the bund structure design
- 1.5. The bund structure will have a smooth impermeable concrete or thick plastic (covered in sand) floor
- 1.6. The floor of the bund structure will slope towards a sump to contain any spillages
- 1.7. When heating the bituminous products, we will take cognizance of appropriate fire risk controls
- 1.8. The heating temperature will not exceed the manufacturer's specifications
- 1.9. Heating of bituminous products will only be undertaken using LPG or similar zero emission fuels
- 1.10. Appropriate firefighting equipment will be readily available in the bund area
- 1.11. Milled or cut out bituminous materials will be removed to an area approved by the ECO and RE
- 1.12. Water quality from runoff from newly / fresh bitumen surfaces will be monitored by the site supervision and remedial actions will be taken where necessary

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 hot bituminous products and materials does not occur

- 2.3. Risk assessments will be used to train site personnel on all the 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 bituminous products and materials will be pre-approved by the ECO and RE
- 3.3. All areas will be demarcated and where this 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
- 3.7. All incidents and accidents will be reported immediately to the ECO

4. Annexures [Project specific]

Annexure A – Layout drawings of the bituminous storage areas in the site camp

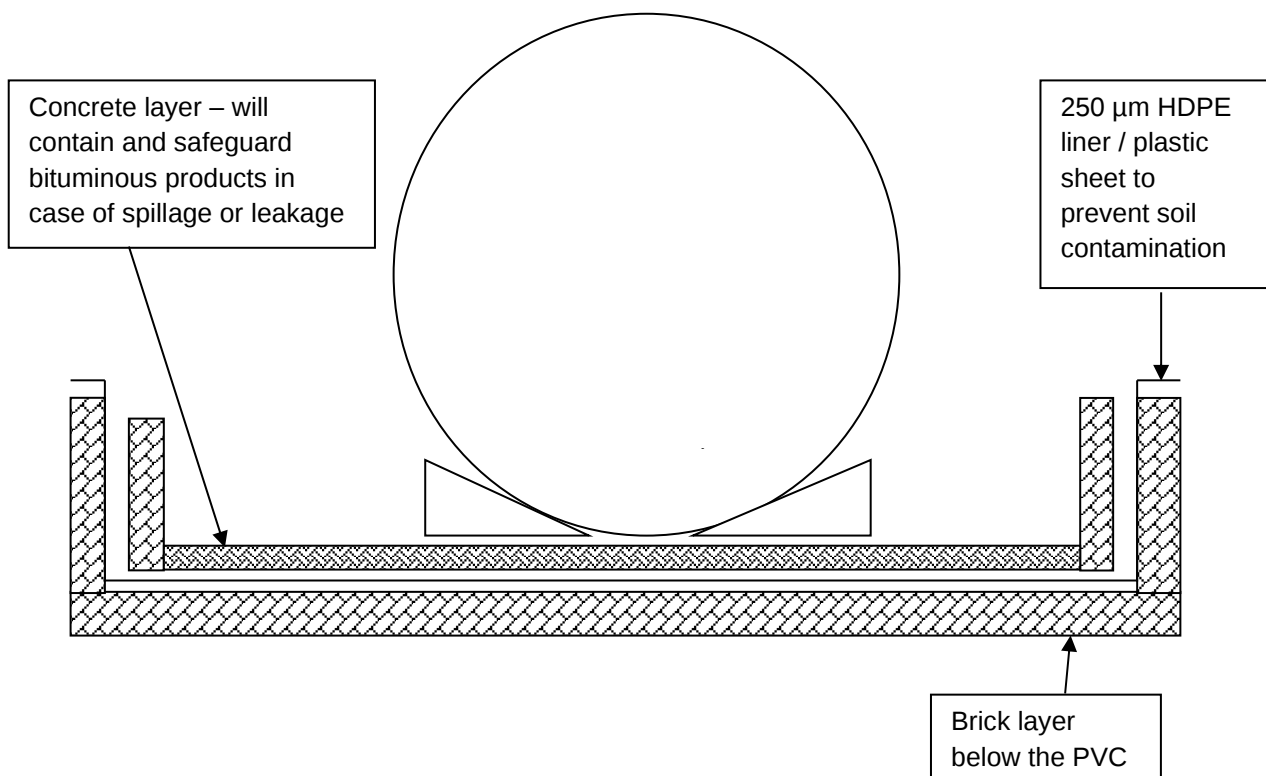


Figure 1: Bund structure design