

ENVIRONMENTAL METHOD STATEMENT

PROJECT NAME: SHEFFIELD ROAD HOUSING DEVELOPMENT AND ASSOCIATED INFRASTRUCTURE
PROJECT NO.: 6542
CONTRACTOR: Martin & East (Pty) Ltd

DOCUMENT NO.: ENV-MS-002
DATE: 02 May 2023

PROPOSED ACTIVITY:

Handling, use and storage of hazardous substances and dangerous goods, including fuel

WHAT WORK IS TO BE UNDERTAKEN? (e.g. give a brief description of the works)

Construction activities will require the use of hazardous substances, such as fuel. Such substances will be stored and will be in the Drip tray at all times on site. Other hazardous materials on site include contents of chemical toilets, oil base paints, fuels and oils.

WHERE ARE THE WORKS TO BE UNDERTAKEN? (Where possible, provide an annotated plan and a full description of the extent of the works)

Sheffield Rd, Philippi, Cape town

START AND END DATE OF THE WORKS FOR WHICH THE METHOD STATEMENT IS REQUIRED

Start date: 05/09/2022

End date: August 2024

DESCRIPTION OF HOW POTENTIAL ENVIRONMENTAL IMPACTS WILL BE PREVENTED OR MANAGED (provide as much detail as possible, including annotated sketches and plans where possible)

Storage:

- Storage will be suitable for the product in accordance with individual product requirements indicated in the Material Safety Data Sheet (MSDS). Storage will be done in such a way as to ensure that no contamination of surrounding areas will occur;
- Products will be clearly labelled and appropriate warning signage displayed;
- Fuel will be stored at a location approved by the Project Manager and ECO in a lockable store and be placed in the drip tray and the warning signage will be displayed the container will be locked at all times.
- The storage area for fuel and other flammable substances will comply with standard fire safety regulations;
- All liquid fuels will be stored in containers with lids and will be kept firmly shut and locked at all times when not in use;
- A suitable leak-proof container for the storage of oiled equipment (filters, drip tray contents and oil changes, etc.) will be established;
- Only empty, clean containers will be stored on bare ground; and

Controls

- Access to and use of fuel will be controlled;
- Smoking is prohibited in the vicinity of the fuel storage area. Visible warning signage will be erected in the fuel storage area to inform staff of the associated dangers. Adequate fire-fighting equipment will be stored in close proximity to the fuel storage area in case of any incidents;

- Hazardous materials and other flammable substances used on site will be handled and used in a demarcated area within the site camp which complies with standard fire safety regulations;
- Hazardous materials will be handled in accordance with manufacturer's instructions;
- A member of staff trained in first aid and the handling of fuel will be available at all times.

Servicing areas

- All maintenance and repairs to plant and equipment will be undertaken off-site.

Spills:

- A hydrocarbon (fuel and oil) spill remediation and adsorption product approved by the Project Manager will be kept on site at all times for use in the event of a spill. The quantity of the product will be sufficient to handle a minimum of 200ℓ hydrocarbon spill. The store man as well as the site foremen will be trained as how to best use and apply the product;
- Should a spill occur the following steps will be taken:
- The source of the spill or leak will be identified and rectified immediately. The SEO, ECO, site manager/foremen will be notified;
- Spill remediation will be applied to the spill. In the case of larger spills clean builders sand or adsorptive material will be used to contain the spill prior to the application of the spill remediation product. Particular care will be taken to ensure that the spilled material does not enter the storm water system;
- The contaminated area will be cleared by hand using a spade and the contents will be placed in sealed bags and removed off site immediately for disposal at a hazardous waste landfill site. The relevant certificate will be obtained from the landfill site as proof of disposal;
- The situation will be assessed and, if required, additional steps for cleanup and remediation taken. Specialist input will be sought if necessary;
- A brief report detailing the incident, volumes, location, cause, action taken as well as how this will be prevented from reoccurring will be submitted to the ECO and the incident will be logged in the relevant register in the environmental file on site;
- In case of any environmental emergency/chemical, fuel spillage, the Project Manager and the ECO will be notified immediately and should there be any major spill, emergency services of the local authority and disaster management will be contacted immediately; and
- Where relevant the necessary notification will be made to the authorities as legislated.

Hazardous waste

- All hazardous waste will be handled as described in the Environmental Method Statement for Waste Management

ENVIRONMENTAL STANDARDS (list the applicable environmental standards to be met):

- Hazardous Substances Act (No. 15 of 1973);
- Occupational Health and Safety Act (No. 85 of 1993);
- National Environmental Management: Waste Act (No. 59 of 2008);

MONITORING AND RECORD KEEPING (Describe how the activity will be monitored to ensure that the environmental standards are met, as well as the records to be kept):

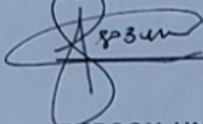
1. Daily site walkabout by SEO	Record: Site diary entry
2. Weekly inspections by Contractor, ECO	Record: Weekly checklist
3. Monthly audits by ECO / Employer EO	Record: Monthly compliance audit checklist
4. Incident reporting	Record: Environmental Incident Reports including corrective action

5. Staff training

Record: Induction training register, tool-box talks
attendance register**DECLARATIONS**

CONTRACTOR'S ENVIRONMENTAL OFFICER: The work described in this Environmental Method Statement, if carried out according to the methodology described, is satisfactory to prevent or control environmental harm:

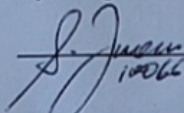
David Lembeni

 signed)

Dated: _____

PERSON UNDERTAKING THE WORKS: I understand the contents of this Environmental Method Statement and the scope of the works required of me. I further understand that this Environmental Method Statement may be amended on application to other signatories and that Guillaume Nel Environmental Consultants and Construction Manager will audit my compliance with the contents of this Environmental Method Statement:

Siyasanga Zweni

 signed)

Dated: _____

Guillaume Nel Environmental Consultants: The work described in this Environmental Method Statement, if carried out according the methodology described, is satisfactory to prevent or control environmental harm:

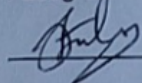
Divan Opperman

_____ signed)

Dated: _____

APPROVING AUTHORITY (i.e. the Employer's Construction Manager): The works described in this Method Statement are approved:

Fatieg Salie

 signed)

Dated: _____