



METHOD STATEMENT

CEMENT MIXING AND BATCHING AREAS

WHAT work is to be undertaken?

The management of cement mixing activities and batching areas.

WHERE are the works to be undertaken?

Farm 29, Calcutta Public Cemetery and Memorial Park, Stellenbosch

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

Date of commencement:

Date of completion:

HOW are the works to be undertaken?

Procedures:

- **Site Preparation:**

- Location Selection: Choose a site for the batching plant away from sensitive areas such as wetlands, watercourses, and protected habitats.
- Ground Preparation: Level and stabilize the ground where the batching plant will be located. Install containment systems, including bunding and drip trays, to manage and prevent spills.

- **Plant Operation:**

- Material Handling: Use covered conveyors and hoppers to minimize dust generation during material handling. Ensure all machinery is equipped with dust suppression systems.

- **Concrete Pouring:**

- Mixing Operations: Coordinate concrete mixing activities to minimize disruption on site. Ensure all mixing operations are conducted within a designated area.
- Pouring Process: Prepare the concrete pouring area with shutter boards in place, adequately supported to prevent any spillage or overflow.

- **General:**

- Cement Storage: Store cement powder in a weatherproof location to prevent contamination and exposure to moisture. No cement wash will be discharged on site.
- Small-Scale Mixing: Mix small quantities of cement on an impermeable surface

(e.g., mixing trays or wheelbarrows) and clean the mixing equipment in the designated cement wash area as specified in the contaminated water management procedure.

- Cement Bags Disposal: Store used cement bags in weatherproof containers to prevent wind dispersion and water contamination. Once a sufficient quantity has accumulated, dispose of them at an approved disposal site. Collect wind-blown bags from the construction area by the end of each day and before any rain events.

Environmental Protection:

- **Dust Control:**

- Dust Suppression: Use watering around the batching plant and loading areas to suppress dust.
- Wind Barriers: Install barriers to block wind and contain dust within the site.

- **Noise Control:**

- Equipment Maintenance: Regularly maintain machinery to ensure efficient and quiet operation.
- Operational Hours: Limit noisy operations to daytime hours (07:00 to 18:00 on weekdays, 08:30 to 14:00 on Saturdays).

- **Spillage Management:**

- Spill Prevention: Implement spill containment systems, including bunded areas and drip trays, and train staff in spill response procedures.

Emergency Procedures:

- **Immediate Response:**

- Stop Operations: Halt all plant activities immediately upon detecting a spill or leak.
- Containment: Use spill kits to contain and clean up any spills promptly.

- **Incident Investigation:**

- Assess Cause: Investigate the cause of the spill or leak and take corrective action to prevent recurrence.
- Report: Document the incident and the corrective measures taken in the incident report.

- **Corrective Actions:**

- Review Procedures: Update operational procedures to prevent future accidents and spills.
- Training: Provide additional training to staff on spill prevention and response measures.

**Records:**

- **Documentation:**

- Maintain a declaration of understanding, ECO checklist, method statements, complaints register, and other relevant records in line with the EMP requirements.

DECLARATIONS**1) PERSON UNDERTAKING THE WORKS**

I understand the contents of this Method Statement and the scope of the works required of me. I further understand that this Method Statement may be amended on application to the signatories hereunder and that the Environmental Control Officer will audit my compliance with the contents of this Method Statement.

_____ (Print name)

(signed) _____ Dated: _____

2) ENVIRONMENTAL CONTROL OFFICER

The work described in this Method Statement, if carried out according to the methodology described, is satisfactorily mitigated to prevent avoidable environmental harm:

_____ (Print name)

_____ (signed) Dated: _____

3) RESIDENT ENGINEER/ENGINEER REPRESENTATIVE/CLIENT

_____ (Print name)