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Method Statement: Dust Management

1. Objective

The objective of this Method Statement is to outline the procedures for controlling and managing dust generated during construction activities to minimize health risks to workers and the public, and to comply with relevant environmental regulations.

2. Scope of Work

This Method Statement applies to all activities related to dust generation on site, including:

- Excavation and earthworks
- Demolition activities
- Material handling and transportation
- Construction and installation works

3. Responsibilities

- **Site Agent:** Oversee the implementation of the dust management plan and ensure compliance with all procedures.
- **Health and Safety Officer:** Monitor dust levels and ensure the effectiveness of dust control measures.
- **Workers:** Follow dust control procedures and report any issues to the Site Manager.

4. Legislation and Guidelines

The following regulations and guidelines will be adhered to:

- National Environmental Management: Air Quality Act, 2004 (Act No. 39 of 2004)

Government of South Africa. (2004). National Environmental Management: Air Quality Act. Pretoria: Government Printer.

☐ Section 32: General Duty of Care

- This section places a general duty on any person to take reasonable measures to prevent and mitigate air pollution, including dust emissions.

☐ Section 34: Prohibition of Certain Activities

- This section prohibits any activity that may result in the discharge of dust or any other substance into the atmosphere unless it complies with the relevant air quality

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management measures, including the necessity of obtaining an Atmospheric Emission License (AEL) for certain activities.

5. Dust Management Procedures

5.1 Site Preparation

- **Dust Control Plan:** Develop a site-specific Dust Control Plan before work begins.
- **Signage:** Install signage around the site to inform workers and the public about dust control measures.

5.2 Dust Suppression Techniques

1. **Water Suppression:**
 - Use water bowzers or hoses to dampen surfaces during dry weather and when working on site.
 - Apply water to stockpiles and unpaved areas to minimize dust emissions.
2. **Dust Control Products:**
 - Utilize commercially available dust suppressants (e.g., biodegradable polymers) as necessary.
3. **Vegetative Barriers:**
 - Plant vegetation along site perimeters to act as a windbreak and reduce dust spread.
4. **Containment:**
 - Use tarpaulins or covers for transporting loose materials to prevent dust from escaping.

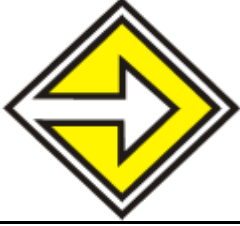
5.3 Operational Controls

- **Site Speed Limits:** Implement speed limits for vehicles on site to reduce dust generation.
- **Loading and Unloading:** Minimize drop heights when loading and unloading materials to reduce dust creation.
- **Material Storage:** Store materials in designated areas with appropriate covers to prevent dust escape.

5.4 Monitoring and Reporting

- **Dust Monitoring:** Regularly monitor dust levels using appropriate equipment (e.g., dust meters) and maintain records of findings.
- **Reporting:** Report any exceedances of dust levels to the Site Manager immediately. Implement additional controls as necessary.

6. Training

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- All personnel will receive training on the importance of dust control measures and the specific procedures outlined in this Method Statement.

7. Emergency Procedures

In the event of a significant dust incident:

- Stop all work in the affected area.
- Assess the situation and implement additional dust control measures.
- Notify the Site Manager and relevant authorities if required.

8. Review and Revision

This Method Statement will be reviewed and updated as necessary throughout the project, particularly in response to any changes in work processes, regulations, or observed dust issues.

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