

Moneystone Park

DUST MANAGEMENT PLAN (DMP)

Reference MP-DMP-P1A

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Appendix A: Dust Complaint Form

1. Introduction

This Dust Management Plan (DMP) has been prepared for the development of the former Moneystone Quarry, located between the villages of Whiston and Oakamoor, Staffordshire.

This Dust Management Plan is intended to discharge Condition 46 of the approved outline planning permission (OPP) for Moneystone Park (ref: SMD/2016/0378).

Condition 46 of the outline planning permission requires that,

‘No phase of the development approved under Condition 5, including demolition, site stripping and preparatory work shall commence until a full Dust Management Plan and method to monitor the effectiveness for any proposed dust mitigation measures together with a timetable for implementation for that phase has been submitted to and agreed in writing the Local Planning Authority. The Dust Management Plan shall be in accordance with the submitted dust assessment/mitigation methodologies submitted in Chapter 12 of the Environmental Statement and include specific measures for controlling dust on areas presumed to be contaminated. The development phase shall thereafter be carried out in accordance with the agreed details and timetable.’

The purpose of this DMP is to establish the procedures and mitigation measures required to minimise dust and particulate matter emissions arising from, site stripping, earthworks, preparatory works, construction activities, and associated vehicle movements.

The DMP has been prepared in accordance with the dust assessment and mitigation measures presented within Chapter 14, Air Quality of the June 2016 Environmental Statement submitted alongside application SMD/2016/0378 .

The DMP details the dust management, mitigation and controls that will apply to all dust-generating activities that are expected to occur during the enabling works and construction phase. The aim of the DMP is to ensure there are no unacceptable dust releases during this phase of on-site works.

2. Dust Management Objectives

The objectives of this Dust Management Plan are to:

- Prevent unacceptable dust emissions arising from construction activities.
- Minimise impacts on nearby sensitive receptors.
- Control emissions of particulate matter.
- Provide procedures for monitoring dust-generating activities.
- Ensure mitigation measures remain effective throughout the construction period.
- Provide a framework for responding to dust events, complaints, and changing site conditions.

3. Dust Management Responsibilities

Air Quality

A suitably qualified and experienced person shall be appointed as responsible for dust and air quality management during the works. The appointed person will:

- Ensure implementation of all dust mitigation measures.
- Undertake regular inspections of dust-generating activities.
- Review monitoring results and identify where additional controls are required.
- Investigate dust complaints and implement corrective actions.
- Maintain dust monitoring and inspection records.
- Ensure compliance with the approved DMP.

The name and contact details of the responsible person shall be displayed prominently at the site entrance and boundary, together with relevant head office or regional office contact details.

The roles and responsibilities of the Site Manager and the project staff, with regard to the implementation of the DMP are shown below:

Site Manager

- Ensure the DMP is communicated to all project employees, including subcontractors.
- Ensure construction activities are carried out in accordance with this DMP.
- Inspect the site daily to inspect potentially dust-generating operations and deploy staff to implement appropriate management/mitigation measures as necessary. This is communicated through the Environmental Logbook as well.
- Supervise any complaint investigations and implement additional measures to avoid reoccurrence.

All Construction and Operational Staff (including Subcontractor employees)

- Carry out their operations in accordance with the requirements of this DMP.
- Provide support to the Site Manager in implementing the management measures, using the Environmental Logbook.

4. Stakeholder Communication

Prior to commencement of each development phase, a stakeholder communication procedure shall be implemented. This will include:

- Notification of the planned works where appropriate.
- Provision of contact details for reporting dust concerns.
- Recording and investigation of complaints.
- Communication of significant changes to working methods where these may affect dust emissions.

All dust complaints shall be recorded, investigated, and appropriate mitigation measures implemented where required.

5. Sensitive Receptors

5.1 Sensitive Receptors

Sensitive locations are those where the public or sensitive ecological habitats may be exposed to pollutants resulting from activities associated with the proposed development. These will include locations sensitive to an increase in dust deposition and PM10 exposure as a result of on-site construction activities, or exposure to pollutants from exhaust emissions from construction site traffic and plant and traffic associated with the proposed development once it becomes operational.

The sensitivity of the area to dust and PM10 generated by construction activities has been determined qualitatively using professional judgement and the criteria provided in the IAQM guidance. The IAQM construction assessment methodology is undertaken where there are 'human receptors' within 350m of the site boundary; or within 50m of the route(s) used by construction vehicles on the public highway, up to 500m from the site entrance(s); and/or 'ecological receptors' within 50m of the site boundary; or within 50m of the route(s) used by construction vehicles on the public highway, up to 500m from the site entrance(s). It is within these distances that the impacts of dust soiling and increased PM10 in the ambient air will have the most significant impact on sensitive receptors.

Table 1: Sensitive Receptor Locations

Description	X	Y
Leys Health Farm	403545.8	347149.2
Bank House A52	403680.6	347138.8
Brook House Cottage A52	403733.5	347194.5
1 Moorland House Cottages A52	403951.5	347234
1 Whiston Eaves Lane	403764.1	347154.4
8 Whiston Eaves Lane	403753.8	347133.2
5 Whiston Eaves Lane	403762.9	347104.8
Whiston Grange	403888.5	346775.4
Cottage Farm Eaves Lane	404137.7	346429.6
Cowtrees Farm Eaves Lane	404890.2	346010.9
1 Eaves Lane	405399.2	345711.7
Springhill Car Bank	405460.5	345086.4
17 The Square Carr Bank	405439	344981.6
1 Starwood Terrace Carr Bank	405463.3	344931.9
Stornaway B5417	405461.8	344896.3
Old Bank Cottage B5417	405494.1	344887.8
Rose Bank B5417	405562.8	344884
Foxbank Croft B5417	405288.6	34475.1
Whiston Eaves SSSI	403941	346289

6. Dust Mitigation Measures

6.1 General Controls

The following measures shall be implemented:

- A Construction Environmental Management Plan (CEMP) shall be maintained and shall incorporate the requirements of this Dust Management Plan.
- Site layout shall be designed to locate dust-generating activities and plant away from sensitive receptors where practicable.
- Solid barriers, hoarding, or screening shall be installed around dusty activities and site boundaries where required.
- Dust-generating activities shall be enclosed where practicable.
- Site roads, boundaries, barriers, and scaffolding shall be maintained and cleaned using wet methods where required.
- Materials capable of generating dust shall be removed from site as soon as practicable or appropriately covered if retained.
- Stockpiles shall be covered, seeded, fenced, or otherwise protected to minimise wind-blown dust.

6.2 Site Stripping and Earthworks

During site stripping and earthworks:

- Exposed surfaces shall be minimised where practicable.
- Stockpile areas shall be kept to the minimum required for safe working.
- Stockpiles shall be located away from sensitive receptors and consider prevailing wind direction.
- Windbreak screening shall be installed around stockpiles and material handling areas where required.
- Exposed soils and stockpiles shall be dampened during dry or windy conditions.
- Soil handling shall be minimised during adverse weather conditions where dust generation cannot be effectively controlled.

6.3 Dust Control in Potentially Contaminated Areas

- Where areas of suspected or confirmed contamination are encountered, additional dust control measures shall be implemented to prevent the mobilisation and spread of contaminated particulates.
- Measures shall include:
 - Preparation of a suitable working method statement prior to disturbance of contaminated materials.
 - Minimising disturbance of contaminated soils where practicable.
 - Maintaining soils in a damp condition during excavation and handling.
 - Avoiding dry excavation, grading, or movement of contaminated materials.
 - Covering stockpiled contaminated materials.
 - Segregating contaminated materials from clean materials.
 - Using enclosed containers or covered vehicles for transportation of contaminated materials.
 - Cleaning vehicles and equipment prior to leaving contaminated work

- areas.
 - Implementing additional monitoring where required by the site environmental manager.
- Where unexpected contamination is encountered, works shall cease in the affected area until an appropriate assessment has been undertaken and additional mitigation measures agreed.

6.4 Construction Activities

Construction activities shall incorporate the following controls:

- Cutting, grinding, and sawing equipment shall incorporate suitable dust suppression measures, including water suppression or local extraction where practicable.
- Adequate water supplies shall be available for dust suppression.
- Enclosed conveyors and chutes shall be used where required.
- Covered skips shall be used for dusty waste materials.
- Drop heights from loading and handling equipment shall be minimised.
- Spillages shall be cleaned promptly using wet cleaning methods.
- Sand, aggregates, and similar materials shall be stored in contained areas and prevented from drying out.
- Cement and fine powders shall be delivered in enclosed systems and stored within suitable containment.
- Plant and equipment shall be maintained in good working order and shall not be left idling when not in use.

6.5 Trackout and Construction Traffic

Measures shall include:

- Implementation of a wheel washing facility where reasonably practicable.
- Use of rumble grids to remove mud and dust from vehicle wheels.
- Regular inspection and cleaning of site access routes.
- Use of water-assisted road sweepers where required.
- Avoidance of dry sweeping of large areas.
- Covering vehicles transporting dusty materials.
- Recording inspections and maintenance actions within the site log.

7. Air Quality and Dust Monitoring

7.1 Monitoring Approach

The effectiveness of dust mitigation measures shall be monitored through:

- Regular site inspections.
- Visual assessment of dust emissions.
- Review of weather conditions.
- Monitoring of complaints and incidents.
- Dust monitoring equipment where required by the nature of works or proximity of sensitive receptors.

7.2 Inspection Frequency

Inspections shall be undertaken:

- At least weekly during normal construction activities.
- More frequently during, earthworks, contaminated soil disturbance, or other high-risk activities.
- During prolonged dry periods.
- During windy conditions.

Inspection records shall include:

- Date and time.
- Weather conditions.
- Activities taking place.
- Dust controls implemented.
- Any deficiencies identified.
- Corrective actions completed.

7.3 Staff Dust Management Plan Responsibility

AFS will nominate appropriate personnel to enforce this DMP during the enabling works and construction phases of works. This will, as a minimum, include the site manager and/or site supervisor, whose details should be provided in Table 2 below when known, as well as any further personnel who will carry out day-to-day activities within the site. These personnel will be responsible for training site personnel on dust mitigation.

Table 2 DMP Responsibility

Staff Member	Role	Training Received

8. Effectiveness Review and Corrective Actions

The effectiveness of dust mitigation measures shall be reviewed through:

- Inspection findings.
- Dust monitoring results.
- Complaint records.
- Environmental incidents.

Where monitoring identifies ineffective controls, additional measures shall be implemented, which may include:

- Increased watering frequency.
- Additional screening.
- Modification of working methods.
- Temporary suspension of particularly dusty activities until controls are improved.

All corrective actions shall be recorded within the site environmental log.

9. Compliance

The development phase shall be undertaken in accordance with this Dust Management Plan and the agreed implementation timetable.

Any amendments required due to changes in construction methodology, unforeseen ground conditions, or monitoring results shall be submitted to and agreed with the Local Planning Authority where necessary prior to implementation.

APPENDICES

Appendix A - Dust Complaint Form

Customer Details	
Customer Name -	
Address -	
Postcode -	
Customer Contact Details -	
Tel -	
Email -	
Date -	
Complaint Ref Number -	
Complaint Details -	
Investigation Details	
Investigation carried out by -	
Position -	
Date & time investigation carried out -	
Weather conditions -	
Wind direction and speed -	
Investigation findings -	
Feedback given to Environment Agency and/or local authority -	
Date feedback given -	
Feedback given to public -	
Date feedback given -	
Review and Improve	
Improvements needed to prevent a reoccurrence -	
Proposed date for completion of the improvements -	
Actual date for completion -	
If different insert reason for delay -	
Does the dust management plan need to be updated -	
Date that the dust management plan was updated -	
Closure	
Site manager review date	
Site manager signature to confirm no further action required	