

DUST MANAGEMENT PLAN

**New Development
Big Green Farm
Ellesmere Lane
Penley
Wrexham**



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1. Introduction.

- 1.1 The Dust Management Plan has been prepared by Erlas Developments Ltd Under the guidance of a construction dust assessment
- 1.2 This plan describes the potential air quality impacts associated with construction Works with a consented scheme involving 13 residential properties at Big Green Farm, Ellesmere Lane, Penley.
- 1.3 Site operation, dust control and monitoring procedures will be designed as part Of this plan to minimise emissions of dust. This will ensure that operations at the Site will not constitute a nuisance to residential or susceptible habitat within the Vicinity of Big Green Farm, Ellesmere Lane, Penley.
- 1.4 The potential for the construction activities to impact upon both existing and new Properties has been assessed. The main pollutants of concern related to Construction activities are dust and emissions from construction.
- 1.5 The plan has been prepared taking into account all relevant local and national Guidance and regulations
- 1.6 The site is for 13 residential dwellings. There is access to the front of the site From Ellesmere Lane.
- 1.7 The photos below show the existing view of the site from Ellesmere Lane.



Development Site Plan.



2. Dust Control Measures.

Measures to mitigate dust emissions will be required during the construction phase of the development in order to reduce impacts on the surrounding area.

Details of the general dust control measures are analysed under the following headings

2.1 Communications.

- A communications plan will be available during works on site
- On the site hoarding with contact details will be displayed

2.2 Site Management.

- Site management will assume responsibility for the management of the site
- All dust and air quality complaints will be recorded, which in turn means that the causes can be identified and appropriate measures taken to reduce emissions
- The complaints log will be stored in the site office and made available to the local authority if requested

2.3 Monitoring.

- Daily on-site inspections will be taken to monitor dust, these inspections will be recorded and made available when asked. The inspection will include regular dust soiling checks of surfaces with cleaning carried out if necessary.
- Regular site inspections will be carried out to monitor compliance with the Dust Management Plan
- Site inspections will be increased when activities with high potential to produce dust are being carried out and during prolonged dry or windy conditions.

2.4 Preparing and Maintaining the site.

- The site layout will be planned so that machinery and dust causing activities are located as far as possible from receptor areas
- Where necessary barriers may be erected around dusty activities, or site hoarding height increased by any stock piles.
- Site run off of water or mud will be avoided.
- Site scaffold, barriers and fencing will be kept clean where possible.
- Materials that have the potential to produce dust from site will be removed as soon as possible, unless they are being reused on site.

2.5 Operating vehicle/Machinery and Sustainable Travel.

- All vehicles will switch off their engines when stationary unless engine running is required to operate vehicle hydraulics.
- Where possible use mains electricity or battery powered equipment to avoid the use of diesel or petrol generators.
- Where reasonably possible workers will be encouraged to use public transport, cycling or walking etc.

2.6 Operations.

- Cutting, grinding and sawing equipment will only be used if no other alternative is available and dust will be suppressed with a suitable technique.
- Chutes and covered skips will be used where possible
- An adequate water supply will be maintained at all times
- Drop heights will be minimised from loading shovels etc.
- Equipment will be readily available to clear any spillages.

2.7 Waste Management.

- Bonfires and the burning of waste will be avoided at all times.

2.8 Measures Specific to Earthworks.

- Earthworks will be re vegetated to stabilise surfaces as soon as practicable

2.9 Measures Specific to Construction.

- Scabbling will be avoided where possible
- Sand and other aggregates will be stored in bundled areas and not allowed to dry out
- Cement and other fine materials will be stored sufficiently to prevent escape of material.
- Smaller supplies of fine material will be sealed and stored correctly when not fully in use.

2.10 Measures Specific to Track Out.

- Dry sweeping large areas will be avoided where possible
- Vehicles entering and exiting site will be covered where possible to prevent escape of dusty materials during transport.

3. Conclusion.

- The construction works have the potential to create dust. During construction it will therefore be necessary to make sure this dust management plan is implemented to minimise dust emission. With these measures in place it is expected that any residual effects will be “ not significant “
- Using criteria/methods suggested by EPUK as shown throughout this plan will help to reduce any detrimental effect associated with the proposed development at Big Green Farm, Ellesmere Lane, Penley
- The development is not adjacent to any sensitive properties and is in a rural/residential area.
- The nature of the proposed development means that no special measures are necessary for the ordinary consequences of the project execution.
- The plan includes measures to practicably mitigate those ordinary consequences from such activities and as a matter of good practise.