



**MANAGEMENT OF
CONSTRUCTION DUST**

**SITE OF FORMER DAVRIC CONSTRUCTION
HAINSWORTH ROAD, SILSDEN**

Rev 1 - 23/10/23

1. CLASSIFICATION OF THE DEVELOPMENT

The Management of Construction Dust has been assessed using the Demolition and Construction Dust Guidance

The proposed development has been assessed as "Medium" using the classification within the guidance.

This is an average based on Demolition Activity is Small, Earthworks as Medium, Construction Large and Trackout as Medium; Dust Impact Risk Assessment is Low; the Sensitive Receptors around the site are viewed as of Low Sensitivity and the dust impact risk is Small. This gives the overall classification as "Medium"

2. ADJACENT LAND USE & THOSE AT RISK

The site is surrounded predominately by farm land and some residential, with the Leeds & Liverpool canal located to the top of the adjacent site.

Access for haulage of materials & plant to Hainsworth Road is via Keighley Road and Belton Road.

As well as the workforce, it will be the neighbouring occupiers of the adjoining properties and general members of the public within the vicinity of the works, that will be at risk to the construction dust generated by the works.

2. MANAGEMENT

The management of the works is detailed in the "Construction Phase Health & Safety Plan".

The Health & Safety Plan includes details of the induction process which all site staff undertake prior to commencing work on the site. As part of the site induction process all staff will be made aware of the CEMP requirements and their role in the control and mitigation of dust created from site operations.

A contact list with contact details of the key participants relevant to health Safety & welfare for the project is also provided in the "Construction Phase Health & Safety Plan".

Contact details of the site manager and of the head office are displayed on the site compound fencing or similar.

Any exceptional incident of dust or complaints, made either to the resident site manager or direct to head office, will be recorded and then addressed and the mitigation or action taken recorded.

Skipton Properties Ltd is to follow through to resolution any complaint, however received and initiate any necessary enforcement or corrective action. All such complaints are recorded on the site log maintained by the office manager at head office.

3. DUST CONTROL MEASURES

The following dust control measures will be employed during the works.

Site Planning

Prior to commencement of works on site, fencing will be placed around the phase as required.

Mud on Roads

- Haulage vehicles will be located within site for offloading.
- Delivery vehicles will enter onto the site.
- Keep employed adequate operatives to clean the road where appropriate, permanent provision of mechanical road sweeper on site to clean roads where necessary and if required engage a road sweeper.
- Vehicles carrying waste materials are to be covered prior to leaving site in order to prevent materials being blown onto the road during transportation.
- Overlay the site access roads with a hardcore base to allow clean running (we intend to construct the permanent access roads first noting a large section of the new road is already constructed)

- In the case where there is mud on vehicle tyres, they will be washed before leaving the site.
- Debris to be cleared immediately
- The Site Manager will inspect the access route daily to ensure this is clean. Where measurements are required this will be logged in the site diary

Dust & Emissions

- Dust generating activities, where possible, are to be kept as far away as is practicable from the boundaries of the residential properties, which are mainly located near phase 1 as indicated on the site plan.
- Based on the construction anticipated on site, stone cropping is the operation which may cause dust and consequently this operation will be based in a designated area, remote from receptors and utilising suitable temporary hoardings/screens and using, where appropriate, equipment fitted with dust suppression.
- Where dust generating activities are in close proximity to receptors or likely to generate dust then extra care will be taken and increased inspection of the area involved. Water suppression will be deployed to control dust when necessary.
- The road immediately outside the site will be sprayed and swept as the need is identified. This will allow delivery vehicles to be kept relatively clean and significantly reduce the likelihood of dust on roads outside the site
- Skips will be placed inside the site compound
- Skips are to be securely covered when not in use.
- Waste materials are to be placed in skips and not dropped from excessive heights so as not to lose control of the fall of materials. The surfaces of waste materials are to be regularly damped down with water in dry or windy conditions.
- Monitor weather reports to ensure appropriate dust suppression or road cleaning is available when required
- Clean the site road as regularly as is necessary. This will need to be monitored consistently throughout the day, in light of the site operations and weather conditions. In dry conditions water spraying may be necessary.
- Burning is not permitted on site.
- Machinery, fuel, and chemical storage are to be kept as far away as is practicable from the boundaries,
- Damp down surfaces using water spray of dust generating materials and activities as regularly as necessary
- Vehicles carrying waste materials are to be covered prior to leaving site in order to prevent dust and debris escape during transportation.
- Travelling speed for any on site vehicles is to be limited to 10 mph, which is to be enforced.
- Mitigate the use of cutting equipment by utilising on site cropper.
- Where possible use dust suppression/collection equipment on small & power tools in accordance with manufacturers instructions.
- Vacuum up dust in preference to sweeping up where practicable
- Cutting, grinding and sawing. Where practical pre-fabricated materials will be brought onto the site thus reducing the amount of cutting, grinding and sawing on site. Steelwork will be delivered to site cut to size and or pre-fabricated. Where pre-fabrication off site is not possible, emissions from cutting, grinding and sawing will be minimised by using power tools with suppression or extraction systems. Where power tools and equipment does not allow for the use of dust reduction systems water will be used/poured on the material to suppress dust emissions
- Scabbling Prior to any scabbling work being carried out, surfaces are to be pre-wash surfaces and screened off. The residue from the scabbling will be vacuumed up in preference to sweeping up.
- Planing and sanding Fans and or filter, dust suppression/collection techniques and water sprays are to be used.

- Debris netting to be fixed to scaffold during construction of plots adjacent to the public highway
- Fitting out. Where power tools are to be used for activities such as plastering, sanding or rendering, the tools are to be fitted with dust suppression /collection equipment

Plant & Vehicles

- All plant and equipment used by all site operatives including other contractors is to be kept in good repair. Maintenance is to be carried out in accordance with the manufacturer's recommendations or in such a manner or at such a greater frequency as operational experience may show to be appropriate.
- The use of a permanent power supply to the site will reduce the use and dependency of generators. Where unavoidable these will have sound suppression devices fitted.
- Ensure that exhausts do not discharge directly into the ground.
- Engines are to be switched off when not in use – they are not to be left idling.
- Refuelling is to be kept away from the boundaries and the public.
- Non-road mobile machinery (NRMM) (vehicles and plant) is to use ultra low sulphur tax exempt diesel or 'red' diesel or fuel with an equivalent low sulphur content to EN590:2004 specification.
- Site staff will be encouraged to use sustainable travel whenever possible. Skipton Properties Limited provide crew cab vehicles to staff to facilitate shared journey to work and alternatively car sharing is encouraged.

Materials handling and storage

- Materials are to be stored within the site boundaries and is to be kept away as far as is practicable from boundaries of the immediately neighbouring properties.
- The moisture content for aggregates (such as sand and shingle) is inherently high and in general this will greatly reduce the potential for dust. In the unlikely event that these materials are stored for prolonged periods in dry weather, the materials will be kept damp by water spraying.
- Materials to be used and /or disposed of are not cause prolonged stockpiles and/or storage mounds on site. Materials is not to be unnecessarily be brought on to site early so as to cause stock piles and/or storage mounds.
- Waste materials will be disposed of in skips or muck away wagons for removal as soon as possible.
- Stockpiles will be inspected for dust and dampened down with water spray if and when necessary.
- Stockpiles are to be kept to a minimum practicable height and with gentle slopes.
- All stockpiles and excavation operations will be monitored to avoid water run-off and the generation of excessive mud on site. Temporary haul ways will be stoned up wherever possible.
- The use of bulk cement is not envisaged on site. The use of bagged material will be norm.
- Burning of materials will not be permitted on site