





No plant and equipment shall be left running if not required for immediate use. Where this is not practicable, equipment shall be set to idle in the quietest manner to minimise noise emissions.

Resilient materials will be used where possible to reduce impact noise where materials are being moved or dropped e.g. lining chutes and dumpers. Materials will be lowered whenever practicable and otherwise drop heights will be kept to a minimum.

### **Noise Reduction of Mobile Plant**

The movement of plant onto and around the site will have regard to the normal operating hours of the site and the location of any noise sensitive receptors. Audible reversing alarms will be of a type, which whilst ensuring that they give proper warning, have a minimum noise impact external to the site.

Internal haul routes will be well maintained and avoid steep gradients.

Earth moving plant will be fitted with efficient sound reduction equipment and manufacturers' enclosure panels will be kept closed.

Location of the site compound is located to minimise the noise impacts of delivery vehicles on unmade ground.

### **Noise Reduction of Stationary Plant and Tools**

Noise reduction measures for tools are as follows:

- Use of hydraulic or electric tools where possible;
- Use of alternative quieter equipment for concrete breaking/cutting;
- Fitting suitably designed sound reduction equipment to reduce noise without impairing efficiency;
- Use of damped tool piece or saw blade;
- Enclose in a suitably designed portable or fixed acoustic enclosure with suitable ventilation (with due regard to the health and safety of operatives).

These measures will be considered for selected where appropriate by the Site Manager.

### **Control of Noise Propagation on Site**

Temporary acoustic barriers, such as hoardings or mounds when positioned close to the source or the receiver will assist in the reduction of noise levels experienced at nearest receivers. The degree of protection will be limited to 5-10dB(A) and care must be taken to avoid reflecting noise and increasing the problem elsewhere

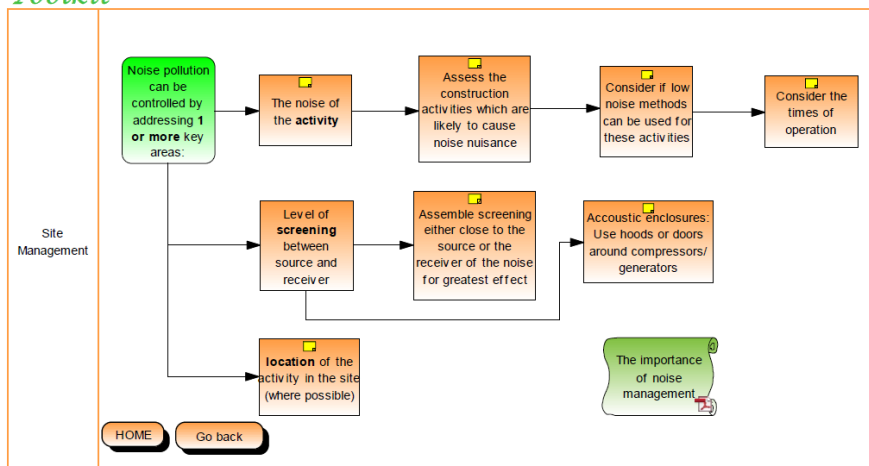
Barriers should be:

- A fairly uniform panel, free from holes with no gaps or openings at joints (uneven ground may leave gaps to be filled);
- Stable and robust enough to stand up to site conditions;
- Of a height and width more than enough to completely cut off sight of the source from the receiver, and
- Preferably at right angles to the line of sight of the receiver.

## Further Noise Guidance

- BS 5228 -1:2009 'Code of practice for noise and vibration control on construction and open sites – Part: Noise'
- Eric Wright Sustainable Construction Toolkit (saved on the Wrightway electronic project file):

*Sustainable  
Construction  
Toolkit*



## Dust Control

The control of dust arising from the construction works will be controlled in a number of ways depending on the work source causing/providing the dust and the timing/stage at which the construction works are at.

Permits will be obtained from the EWA prior to any crushing of materials onsite.

## Dust Assessment

Environmental risk assessments are completed for every contract and particular attention is focused at statutory nuisance. Dust monitoring will take place twice a day in line with the control methods detailed in the risk assessment. Records of this will be maintained on site and available on request. If excessive dust levels are reached, works will be temporarily suspended whilst the Environmental Coordinator is consulted and further appropriate dust measures are implemented to enable works to recommence. This will be recorded.

Additional dust monitoring will be carried out by Eric Wright Construction Environmental Coordinator on a regular basis. Control methods as necessary will be identified.

## Wheel Washing

Eric Wright Group Ltd ensures that the working machinery, plant & vehicles, which may have the potential to cause an excessive dust or mud problem onto the public highway, will have the facility to wash down. This will be placed at a strategic point near to the road exit of the site, to prevent the mud being carried on to the road, with the addition of a road sweeper.

The wheelwashing method has been determined to the contract requirements. In this case as on the other Projects a spray gun is seen as sufficient as below. The gateman will manage this.



Should drive-on wheel washes be required following further dust assessments and/or resident feedback this facility will be installed. This water from wheel washing facilities and wash down areas is contained and not allowed to soak into surrounding ground. The used water is channelled to a containment tank. Water from a wheel wash is to be recycled and reused.

## Mitigation Measures

Measures that may be taken include, but are not limited to:

### Haulage Routes, Vehicles and Construction Plant

| Potential dust Source                   | Control Measure                                                                                       | Responsibility for implementation |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------|
| Haul roads and traffic routes           | Scheduled deliveries to avoid standing traffic on routes to site                                      | Project Manager                   |
| Vehicle waiting areas and hard standing | Vehicles will be directed into site and unloaded. If waiting is required engines will be switched off | Gateman/Traffic controller        |
| Vehicle and wheel washing               | Wheel washing facilities easily available and signed. Gateman to be responsible.                      | Gateman/Traffic controller        |
| Site traffic                            | Speed restrictions will be in place including signage and managed by site personnel to avoid back up  | Gateman/Traffic controller        |



|                                                           |                                                                                                                                                   |                            |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Public roads                                              | Gateman/Traffic controller to be aware of scheduled deliveries and coordinate traffic and operations affecting access                             |                            |
| Road cleaning                                             | Road sweeper to be employed on a daily basis for cleaning access roads to site. These operations will be increased when critical activities occur | Gateman/Traffic controller |
| High level walkways and surfaces (Scaffolding and others) | Operatives will be briefed at induction to the requirements of dust control and suppression                                                       | Project Manager            |

### Static and Mobile Plant Emissions

| Potential dust Source           | Control Measure                                                                                                                                         | Responsibility for implementation |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Visible exhaust smoke           | All standing/waiting traffic to have engines switched off. All plant brought to site to be well maintained and suppliers advised of this at order stage | Project Manager                   |
| Maintenance                     | All plant and equipment to be maintained off site                                                                                                       | Project Manager                   |
| Servicing                       | All plant and equipment to be serviced off site                                                                                                         | Project Manager                   |
| Operating time                  | All operations will be conducted in line with the planning conditions and all sub contractors being made aware of restrictions at order stage           | Site Team                         |
| Exhaust time                    | Operating plant to be monitored to ensure it is not left running unnecessarily                                                                          | Project Manager                   |
| Exhaust direction and heights   | Exhausts from plant will be in line with manufacturers specifications and directed from ground to atmosphere                                            | Project Manager                   |
| Location of plant and equipment | Plant and equipment operating close to other businesses and sensitive receptors will be kept to critical activities only.                               | Project Manager                   |

### Surfacing and Coatings

| Potential dust Source                        | Control Measure                                                                           | Responsibility for implementation |
|----------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------|
| Bitumen over heating                         | Control of tar boilers. Ensure equipment is in good working order                         | Project Manager                   |
| Fume Production                              | Ensure protection is in place at all times while heating or maintaining heat              | Project Manager                   |
| Small accidental fires                       | Have emergency procedures in place and brief at induction and toolbox talks. Monitor RAMS | Project Manager                   |
| Housekeeping                                 | Monitored through regular inspections                                                     | Project Manager                   |
| Direct application of open Flames (torching) | Avoid overheating and keep to a minimum                                                   | Project Manager                   |

### Material Handling

| Potential dust Source | Control Measure | Responsibility for implementation |
|-----------------------|-----------------|-----------------------------------|
|-----------------------|-----------------|-----------------------------------|



|                                             |                                                                             |                 |
|---------------------------------------------|-----------------------------------------------------------------------------|-----------------|
| Material Handling operations                | Handling and movement of materials to be kept to a minimum through planning | Project Manager |
| Transport of powdery materials              | Loose materials to be moved in containers or remain wrapped until use       | Project Manager |
| Transport of aggregates                     | Use enclosed or sheeted vehicles                                            | Project Manager |
| Handling areas                              | Keep areas clean and free from dust                                         | Project Manager |
| Vehicle loading                             | Use methods that minimise the creation of dust. Damp down with water        | Project Manager |
| Filling Skips                               | Use enclosed skips where possible                                           | Project Manager |
| Reducing the spread of dust across the site | Use damping down methods                                                    | Project Manager |

### Storage of Powder Materials

| Potential dust Source                               | Control Measure                                                   | Responsibility for implementation |
|-----------------------------------------------------|-------------------------------------------------------------------|-----------------------------------|
| Bulk Cement                                         | To be delivered and stored in tankers/silos                       | Project Manager                   |
| Silos                                               | To be kept in good condition. Regular checks for damage           | Project Manager                   |
| Accidental spillage when filling or operating silos | Emergency preparedness plan in place identifying R+R              | Project Manager                   |
| Dry materials > 3mm                                 | Storage to be kept to minimum. Use materials at point of delivery | Project Manager                   |
| Dry materials < 3mm                                 | Storage to be kept to minimum. Use materials at point of delivery | Project Manager                   |
| Storage                                             | Store materials away from site boundaries and sensitive receptors | Project Manager                   |

### Stockpiles

| Potential dust Source | Control Measure                                                                                   | Responsibility for implementation |
|-----------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|
| Stockpiles            | Stockpiles will be kept away from sensitive receptors and kept to a minimum; damping down systems | Project Manager                   |
| Building stockpiles   | Ensure any stockpiling is done so that the angle of repose is not such that slippage will occur   | Project Manager                   |
| Short term stockpiles | Ensure that these are kept to a minimum and avoided by use of material at source                  | Project Manager                   |
| Long term stockpiles  | Ensure that these are kept to a minimum and avoided by use of material at source                  | Project Manager                   |

### Site Establishment and Restoration on Completion

| Potential dust Source | Control Measure                                                                   | Responsibility for implementation |
|-----------------------|-----------------------------------------------------------------------------------|-----------------------------------|
| Earthworks            | Will be completed in sections to minimise over exposure and as programme phasing. | Project Manager                   |
| Completed earthworks  | To be reinstated as soon as possible in line with programme                       | Project Manager                   |



|                        |                                                                                                                 |                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------|
| Storage mounds         | Any mounding will be sealed                                                                                     | Project Manager |
| Landscaping            | To be in line with programme and design. No screening to be on site                                             | Project Manager |
| Transitory soil mounds | Not required                                                                                                    | Project Manager |
| Crushing and screening | Crushing and screening operations to be kept away from sensitive receptors. Ensure compliance with the EPA 1990 | Project Manager |

### Construction and Fabrication Process

| Potential dust Source                   | Control Measure                                                                                                                                                                | Responsibility for implementation |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Cutting, grinding, drilling, sawing etc | Consider prefabrication to avoid cutting. Quality checks to prevent errors and re-work. Use dust suppression sprays. Use exhaust ventilation. Robust design to prevent cutting | Project Manager                   |
| Dust control exhaust ventilation        | Always use diamond cutting blades and water sprays                                                                                                                             | Project Manager                   |
| Cutting roads, pavements, blocks        | Always use diamond cutting blades and water sprays                                                                                                                             | Project Manager                   |
| Angle grinders                          | Always use diamond cutting blades and water sprays                                                                                                                             | Project Manager                   |
| Mixing of granular materials            | Use pre mixed materials. Mix under controlled conditions.<br>Store dry powder materials in a safe dry environment                                                              | Project Manager                   |

### Internal and External Finishing and Refurbishment

| Potential dust Source                                    | Control Measure                                                                           | Responsibility for implementation |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------|
| Painting and decorating                                  | Use of suppression or extraction equipment should be used. Vacuum cleaning where possible | Project Manager                   |
| Plastering rendering, finishing and fitting out          | Housekeeping to control dust related activities                                           | Project Manager                   |
| Electrical plumbing systems requiring chasing into walls | Use of suppression or extraction equipment should be used. Vacuum cleaning where possible | Project Manager                   |
| Fire proofing and insulation                             | Use of suppression or extraction equipment should be used. Vacuum cleaning where possible | Project Manager                   |
| Cleaning                                                 | Avoid dry sweeping use vacuum control where possible                                      | Project Manager                   |

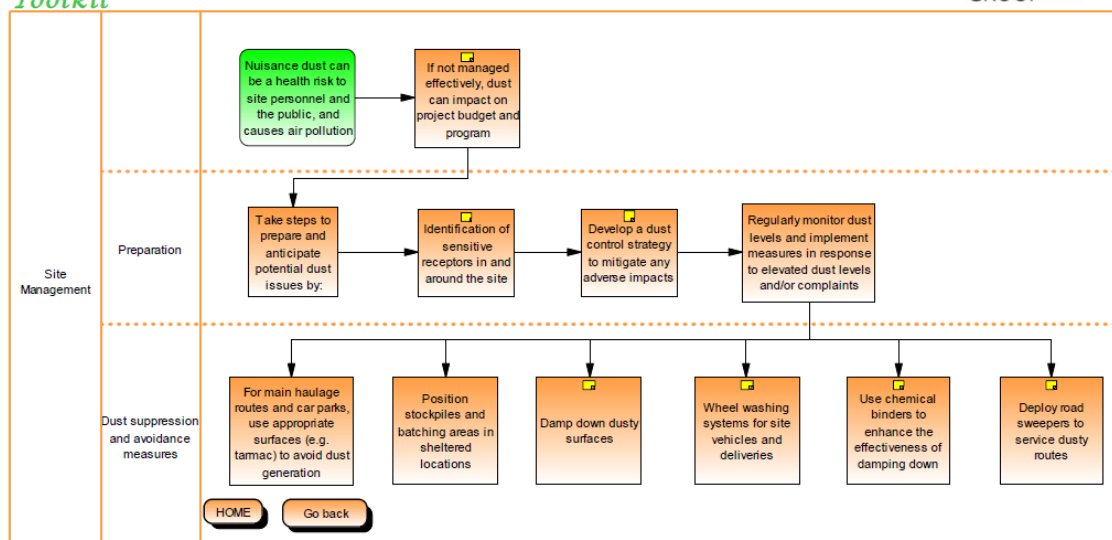


## Further Dust Guidance

‘The Control of Dust From Construction and Demolition Activities’ document (BRE, 2003)

- Eric Wright Sustainable Construction Toolkit (saved on the Wrightway electronic project file):

### Sustainable Construction Toolkit



## Light Control

Lighting must be able to provide safe working conditions for staff, and therefore the following measures will be put in place when situating & using site lighting.

- All lighting will be situated in such a manner as to provide as much lighting as is necessary for the work & no more, thereby reducing the risk of light pollution & the use of unnecessary numbers of generators.
- The lights will face downwards/sideways so that they do not shine into any nearby premises (particularly the residential receptors).
- Appropriate selection of innovative site lighting methods e.g. LED to improve the energy efficiency of the site and minimise the spread of the light beyond where required

## Communication

### Group communications to EWC Staff

Alerts are issued via a SHEQ **Bulletin** to communicate urgent environmental information. These are issued to all staff via email, and hard copies displayed in all site cabins.



The Environmental Manager will contact any external body such as (Natural England, Environment Agency, Local Authority) when an imperative issue arises, thus keeping continual communication channels open.

### Communication with Operatives

It will be mandatory, for all sub-contractors and operatives working on the site to undergo a formal **induction** prior to entering the site where all relevant environmental information for the site will be briefed. **Toolbox talks** will also be delivered and records maintained.

### Communication with the Local Community

Local residents and businesses that could be disturbed by the works will receive a hand delivered **newsletter** detailing the job, including details of proposed start and completion dates and a summary of the work schedule. Letters are delivered at least 14 days prior to the start of the works and at regular intervals throughout the works. Example below:

**Brindle Road, Bamber Bridge**  
ERIC WRIGHT CONSTRUCTION

Site Newsletter No. 1 : June 2014

#### Introduction

This is the second Brindle Road Housing newsletter.

The works comprise of the construction of 34 dwellings, 10 apartments and 24 houses.

The properties are all being built to a high degree of quality that we at Eric Wright pride ourselves on, using the latest materials within a traditional, attractive design.

The Client is Progress Housing.

#### Key Dates

|                           |            |
|---------------------------|------------|
| Start on Site:            | 02/06/2014 |
| Demolition:               | 13/06/2014 |
| New Building Works Begin: | 09/09/2014 |
| Building Works Complete:  | 15/03/2015 |
| First Phase               | 04/04/2015 |
| Second Phase              |            |
| External Works Complete:  | 04/04/2015 |

#### Architects Impression

PROGRESS HOUSING GROUP LTD.

MAPLE GROVE DEVELOPMENTS

Page 1

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**Brindle Road, Bamber Bridge**  
ERIC WRIGHT CONSTRUCTION

Site Newsletter No. 1 : June 2014

#### Upcoming Works

We are currently up to roof level for plots 28-34, with the remainder of the site at first floor level to each plot.

Main drainage works to Brindle Road, adjacent to the main site entrance will commence on 15th December with a duration of 5 working days. Please be aware there may be some traffic disruption, but we will minimise this where possible.





#### Working in Bamber Bridge, Preston

Eric Wright Construction have committed to using local labour and materials where possible while undertaking these works. We will be working with your local job centre to advertise any vacancies.

Please note that we have a surplus of wood, if anyone would like this for their log burner, please get in touch.

#### Site Contact Details

Any feedback, suggestions or requests can be directed to our site manager Joel Castles as below:

Telephone: 07825632902  
Email: joelc@ericwright.co.uk



Please follow us on:   

For more information on Eric Wright Construction please visit: [www.ericwright.co.uk](http://www.ericwright.co.uk)

Page 2

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A **complaints log** exists on each site that records any feedback from local residents. EWC staff are encouraged to respond proactively to any complaints in a timely and fair manner. All environmental complaints are shared to the Environmental Coordinator to assist with an appropriate response.

During and prior to construction, contact with the public may be necessary. This will be done through site notices, leaflets/letters and making contact in person. This will be done with sufficient notice. Contact details for Manchester City Council's Environmental Health Service will be included on any public consultation material (website: [https://www.manchester.gov.uk/info/100006/environmental\\_problems/2956/tackle\\_a\\_noise\\_problem/9](https://www.manchester.gov.uk/info/100006/environmental_problems/2956/tackle_a_noise_problem/9))

Complaints will be taken seriously and resolved by the Technical and Construction Team for matters relating to the site development. The contact details of these are as above.

A **noticeboard** exists affixed to the hoardings on all our sites. This contains:

- Contact details of the Site Manager
- Most recent newsletter
- Notification of any work opportunities
- Most recent environmental dashboard that contains information regarding waste and carbon data