



**LAND OFF DUMERS LANE, BEALEY**  
**DUST CONTROL MEASURES**  
**MARCH 2026**

**Risks & Control Measures**

**Wind direction and speed**

- i) Local wind speed and direction influences the dispersion of dust. Higher wind speed will result in higher potential for the release of dust from site.
- ii) The prevailing wind direction is a useful guide to determine wind direction on site. This is not a guarantee of wind direction however it is the most frequent over a long period of time and the most useful guide when assessing the risk. This will incorporate with our demolition phasing plan.

**Dust raised by vehicles**

- i) To mitigate dust raised by HGV's the site speed limit will be no more than 5 mph with all vehicles required to stop and washed off at the site gates if required prior to exiting the site onto the public highway.
- ii) All HGV's to be sheeted prior to leaving site with wheel washing facilities installed at the site gates.

**Management**

- i) Site inspections to be undertaken including public roads to monitor dust. This will be incorporated into our weekly site walk round checks which will ensure checking of street furniture, parked vehicles and neighbouring properties for dust.
- ii) Wind speed to be monitored throughout the demolition as increased wind speed has the potential to spread any dust particles further.
- iii) Ensuring boundaries are protected at all times.

**Preparing and protection measures**

- i) Solid screens / barriers to be erected around the site where neighbouring properties are at risk. Debris netting to be installed in the most vulnerable areas.

- ii) Fully enclose site or specific operations where there is a high potential for dust production.
- iii) Avoid site water run off which will cause dirt to spread to the local highways or drainage.
- IV) Remove materials that have the potential to produce dust as soon as possible unless it's hardcore materials in which stockpiles will be dampened down regularly.

### Demolition control measures

- i) Our demolition excavators are fitted with the latest onboard dust suppression system with its own onboard tank. Water is emitted in a fine mist capturing the smallest dust particles.
- ii) When internal soft stripping works are carried out prior to demolition where possible the windows will remain intact to act as a barrier against dust emissions escaping.
- iii) Building to be demolished in small sections at a time with the excavator demolishing a few bricks at a time reducing the amount of dust potentially generated.
- IV) When crushing we will ensure there is a water supply connected directly into the jaws of the crusher.
- V) Stock piles of hardcore to be dampened down while and prior to crushing works commencing.
- VI) Excavator fitted with on board dust suppression system to spray fine mist of water on the hardcore coming off the end of the belt to further reduce risk of dust emissions.

### Environmental Risk Assessment:

|             |            |                 |             |            |            |
|-------------|------------|-----------------|-------------|------------|------------|
| SEVERITY    | Severe     | HIGH/MEDIUM/LOW | HIGH/MEDIUM | HIGH       | HIGH       |
|             | Moderate   | MEDIUM/LOW      | MEDIUM/LOW  | MEDIUM     | HIGH       |
|             | Mild       | LOW             | LOW         | LOW        | MEDIUM/LOW |
|             | Negligible | NEGLIGIBLE      | NEGLIGIBLE  | NEGLIGIBLE | NEGLIGIBLE |
| Risk Matrix |            | Negligible      | Low         | Medium     | High       |
|             |            | PROBABILITY     |             |            |            |

| Hazard    | Risk Level | Environmental impact                                                                                   | Control Measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Further control measures                                                                                                                                                                                                             | Residual risk |
|-----------|------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Noise     | High       | Disturbance to the workforce and the surrounding residents                                             | Plant machinery to have the correct silencers fitted which will only operate between the hours of 08:00 and 16:30 and avoid any unnecessary movements near <u>neighbouring</u> properties. Plant to be operated to prevent excessive noise and switched off when not in use where practicable and sited away from sensitive areas. Any noise complaints, or exceedances of levels, will be reported to the site manager and immediately investigated. Wherever possible <u>plant</u> and equipment will be switched off when not in use. Demolition will be carried out using methods to <u>minimise</u> noise using selector grab / shear attachment to cut and lower the building down to the ground in pieces reducing noise levels.                                                                                                                                                                                                                                                                                                                                                                                                          | Ensure machines keep as far away from sensitive properties as possible. All site <u>staff</u> to wear ear <u>defender</u> while operating <u>plant</u> or in the immediate area. Noise levels to be monitored as the works progress. | Negligible    |
| Dust      | Low        | Nuisance to site operatives and local <u>neighbouring</u> area                                         | Water spraying facilities will be provided on site to carry out dust suppression for any demolition activities carried out during windy or dry days which could create visible dust emissions. All surfaced and <u>un-surfaced</u> site access roads shall be watered as <u>necessary</u> and surfaces kept in good order to control dust. The site manager will monitor the changing weather conditions daily with a site operative damping down when required. Any hardcore stockpiles awaiting removal to be dampened down on a regular basis. Ensuring skip wagons are sheeted immediately once loaded to prevent dust being blown out when leaving site. Visual inspection of the site perimeter shall be undertaken to check for dust <u>deposition</u> (evident as soiling and marking) on vegetation, cars and other objects and taking remedial measures if necessary. All site operatives to be Face Fit certified by a competent person and FFP3 masks to be used. Dust suppression in the form of <u>atomising</u> water will be fitted to the excavator undertaking the demolition with <u>it's</u> own onboard suppression system. | Regular dampening down to be carried out. Face fit certs to be on site and checked.                                                                                                                                                  | Negligible    |
| Vibration | Medium     | Site operatives/ <u>local residents</u><br><br>Ground vibrations and health risks causing nerve damage | An increase in noise and vibration from the plant machinery operating on site will raise the decibel ( <u>db</u> ) levels in the surrounding area. Ensure all residents that will be affected by possible ground vibrations are notified explaining timescales for any <u>works</u> that could create nuisance. Machinery movements will be kept to a bare <u>minimum</u> ensuring all operatives track excavators on site slowly. This will keep the vibration rate to a very minimum Vibration levels will be monitored constantly by the site manager ensuring all protection methods are in place and levels kept to a minimum. To prevent unnecessary vibrations the building will be demolished in small sections at a time to keep vibrations at a minimum.                                                                                                                                                                                                                                                                                                                                                                               | Ensure vibration levels don't <u>exceed</u> and all residents notified before <u>works</u> commence.                                                                                                                                 | Low           |