

25th February 2019

Report

Noise & Dust control

**New Century Place - Reading, Student
Accommodation**

**Studios Development (Reading)
Limited**

making the **difference**

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1 Purpose of Report

This report has been prepared in order to set out the proposed measures to be deployed in order to control noise and dust during the construction of a new part 4, part 5 storeys building at East Street, Reading, subject to planning (Reading BC Ref 181849). The measures detailed will be adhered to throughout the proposed construction.

The report follows the requirements below which were set out under condition 12 (control of noise & dust) of planning permission APP/E0345/W/17/3190317 (Reading BC Ref 170019). The report was previously submitted (Reading BC Ref 182179) to discharge condition 12 of the above permission and was deemed to be acceptable by Reading Borough Council.

Condition 12 requires that:

"No development shall take place before a scheme has been submitted to and approved in writing by the Local Planning Authority, which specifies the provisions to be made for the control of noise and dust emanating from the site during the demolition and construction works. Thereafter, the works shall be carried out in accordance with the approved scheme."

It should be noted that the site is currently vacant, and therefore no demolition works are proposed. Accordingly, the noise and dust generated by the construction works is limited to that involved in the construction of the new building.

We are very mindful that the construction site is within a residential housing area; therefore it will be essential that we abide by the Environmental Protection Act and understand we have a duty to avoid causing a statutory nuisance due to creating noise & dust that may affect the workforce, neighbours and the environment.

This report sets out the proposed measures to be deployed in order to control noise and dust.

2 Noise control

The contractor will implement the following measures as part of the site control of noise;

1. Implement regular liaison meetings with site neighbours and client and produce for discussion two weekly rolling programmes to ensure effective communication.
2. Programme noisy operations out of sensitive periods to maintain overall programme.
3. Use electrically operated plant to minimise the potential for noise generation.
4. Carefully select plant and machinery to minimise the potential for noise generation.
5. Ensure plant is inspected and maintained at regular intervals
6. Ensure that each noise generating activity is carried out with the appropriate noise reduction equipment – ensure baffles and silencers are used.
7. Agree method statements with sub-contractors to minimise noise activities – use diamond cutting as opposed to percussive methods for breaking out e.g. chases and holes for services
8. Position plant away from site boundaries
9. No radios or similar to be used on site
10. Clear point of contact and action plan in the event of a complaint.

3 Dust Control

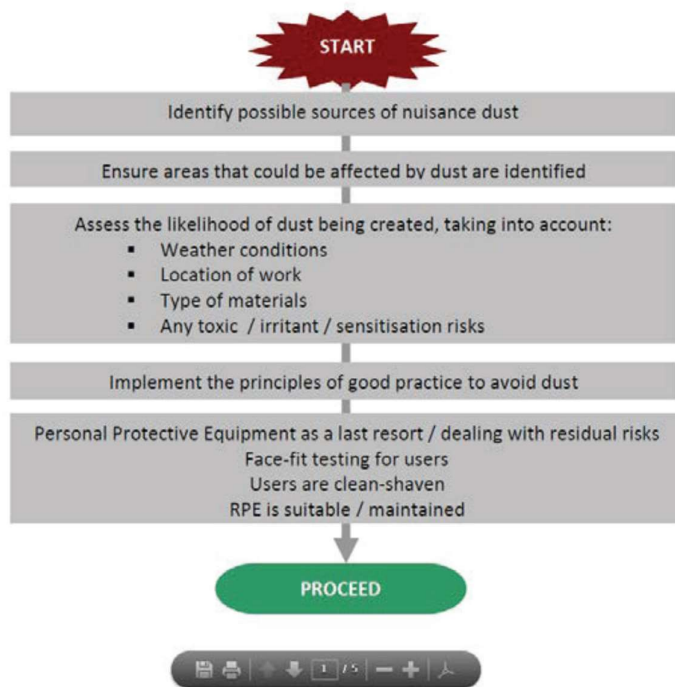
It is difficult to suppress dust once it is airborne; therefore it is essential to use measures to stop it being produced. Careful planning and design of construction operations is essential and wind conditions can be a significant factor.

Under CoSHH there are a range of substances regarded as hazardous to health including any kind of dust if its average concentration in air exceeds the levels specified. Wherever possible, exposure to hazardous substances will be prevented by eliminating the materials from the workplace or replacing them with less hazardous alternatives. Where this is not possible the CoSHH Regulations require that steps are taken to achieve adequate control of the exposure to employees.

Activities on the Student Accommodation site which have the potential to create dust include:

- Earth and Ground Works
- Stock Piling
- Site Traffic
- Cutting and Sawing
- Sweeping etc

3.1 Control Measures



Control measures that will be applied in order to avoid dust emissions on NCP 3 Reading where applicable include:

- Minimise the accumulation of loose materials on site by regular sweeping.
- Ensure an adequate supply of water is available for water bowsers and suppressant devices.
- Ensure water bowsers are effective and maintained.
- Ensure bulk deliveries /collections are sheeted (where appropriate).
- Impose and enforce site speed limits.
- Apply water spray to haul / site roads, earthworks and stockpiles - Pay particular attention to stockpiles in dry, windy weather.
- Use wet methods of cutting where possible.

- Suppress and collect dust at source wherever possible, e.g. by using vacuum equipment on woodwork and cutting equipment.
- Select tools which incorporate dust suppression or extraction
- Provide screens / enclosures to prevent spread of dust
- Where ventilation is used to control dust – extraction or forced ventilation – use screens to segregate the area and increase the number of air changes / hour.
- Ensure dust is filtered from extracted air.
- Remove dust / dusty debris by using vacuums or damping / removing rather than sweeping and making dust airborne.

3.2 RPE Respiratory Protective Equipment

Where dust, fumes or vapours cannot be avoided or suppressed, respiratory protection may be required to combat exposure including residual exposure where other control measures are in use.

Selection should be subject to a task specific assessment.

FFP3 disposable masks or a half mask respirator with a P3 filter should ensure adequate protection provided wearers are clean shaven, properly instructed and trained in its use and have had an appropriate face-fit test.



Facial hair / beard growth must fit within the respirator and area of the face seal should be clean-shaven to ensure effective performance of the RPE and compliance with HSE requirements.

Where compliance with this requirement cannot be achieved users will require positive pressure / powered respirators.

'Adequate control' cannot be totally assured by water suppression systems as not all dust may be captured. RPE is therefore required to protect against this remaining level of unknown and potentially variable risk. RPE will therefore be required to protect against this remaining level of unknown and potentially variable risk.

Disposable masks will be replaced every shift or when damaged. Filters should be renewed frequently dependant on use; probably at least weekly.

A qualitative fit test will be required. This can be arranged via the Health & Safety Department who have a face-fit test kit. This service is available to sub-contractors, but normally they should ensure that they have face-fit tested their workers for any relevant RPE they supply and use.