



**CubicWorks**

**40 Princess Street**

**Air Quality**



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**CubicWorks Ltd**



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## 1.0 Introduction

This document highlights the measures used to monitor the air quality of the 40 Princess Street project located in Manchester City Centre.

Section 2 is a statement letter by CubicWorks the main contractor for the scheme on how air quality has been monitored onsite internally.

Section 3 looks at the identification of site-specific mitigation measures in accordance with the IAQM guidance to reduce potential dust impacts is summarised in the table in this section.



## 2.0 Statement Letter

**CubicWorks**



Figure 1: Letter Air Quality Letter (Credit CubicWorks 2023)



### 3.0 Table

| Issue           | Control Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | How                                                                                                                                                                                                                                                                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Communications  | <ul style="list-style-type: none"><li>• Display the name and contact details of person(s) accountable for air quality and dust issues on the site boundary. This may be the environment manager/engineer or the site manager</li><li>• Display the head or regional office contact information</li></ul>                                                                                                                                                                                                     | <b>Site Management Team</b><br>Jonathan Sleigh<br>Paul Handley<br>Mark Sutton<br><br><b>Office Team</b><br>Mark Spavin Director<br>2nd Floor, Spinnaker Court<br>31 Broadway, Manchester,<br>M50 2YR                                                                                                                                                       |
| Site management | <ul style="list-style-type: none"><li>• Record all dust and air quality complaints, identify the cause(s), and take appropriate measures to reduce emissions in a timely manner, and record the measures taken</li><li>• Make the complaints log available to the LA upon request</li><li>• Record any exceptional incidents that cause dust and/or air emissions, either on- or offsite, and the action is taken to resolve the situation in the log book</li></ul>                                         | Site Management enforces face fit mask rule for dust-creating activities.<br><br>Considerate Constructors Scheme.<br><br>Local residents/businesses are informed monthly of site activities via newsletter.<br>Complaints can be made to the nominated CubicWorks email.<br><br>Site management keeps a close eye on the monitoring i.e wet cuts in place. |
| Monitoring      | Undertake daily on-site and off-site inspections to monitor dust, record inspection results, and make the log available to the LA upon request<br><ul style="list-style-type: none"><li>• Carry out regular site inspections, record inspection results, and make an inspection log available to the LA upon request</li><li>• Increase the frequency of site inspections when activities with a high potential to produce dust are being carried out and during prolonged dry or windy conditions</li></ul> | Site management keeps a close eye on the monitoring of dust onsite/air emissions i.e wet cuts in place.<br><br>Monthly Site health and safety audits are done both internally and externally by the client's nominated health and safety consultant.                                                                                                       |



| Issue                                              | Control Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                         | How                                                                                                                                                                                                               |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                   |
| Site preparation                                   | <ul style="list-style-type: none"><li>• Plan site layout so that machinery and dust-causing activities are located away from receptors, as far as is possible</li><li>• Fully enclose site or specific operations where there is a high potential for dust production and they are active for an extensive period</li><li>• Remove materials that have the potential to produce dust from the site as soon as possible, unless being re-used</li></ul>                  | <p>Coshh cabinet in place.</p> <p>Materials not required are disposed of immediately.</p>                                                                                                                         |
| Operating vehicle/machinery and sustainable travel | <ul style="list-style-type: none"><li>• Ensure all vehicles switch off engines when stationary - no idling vehicles</li><li>• Avoid the use of diesel or petrol-powered generators and use mains electricity or battery-powered equipment where practicable</li></ul>                                                                                                                                                                                                   | <p>CubicWorks offers in-house staff the cycle-to-work scheme to help reduce the use of fossil fuel travel.</p> <p>Site management has encouraged operatives to use battery-powered tools as they are not only</p> |
| Operations                                         | <ul style="list-style-type: none"><li>• Only use cutting, grinding or sawing equipment fitted or in conjunction with suitable dust suppression techniques</li><li>• Use enclosed chutes and conveyors and covered skips</li><li>• Minimise drop heights and use fine water sprays wherever appropriate</li><li>• Ensure equipment is available to clean any dry spillages and clean up spillages as soon as reasonably practicable using wet cleaning methods</li></ul> | <p>Dust extraction on tools such as saws etc.</p> <p>Labourers clean work equipment on a daily basis.</p>                                                                                                         |



| Issue            | Control Measure                                                                                                                                                                                                                                                                 | How                                                                                                                                                                                                                                                           |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste management | <ul style="list-style-type: none"><li>• No bonfires or burning of waste materials</li></ul>                                                                                                                                                                                     | Waste is correctly disposed of and recycled via our waste contractors.                                                                                                                                                                                        |
| Construction     | <ul style="list-style-type: none"><li>• Avoid scabbling (roughening of concrete surfaces) if possible.</li><li>• Ensure sand and other aggregates are stored in bunded areas and are not allowed to dry out.</li></ul>                                                          | Aggregate and sand are stored in bunded containers in -1 floorplate.                                                                                                                                                                                          |
| Track out        | <ul style="list-style-type: none"><li>• Use a water-assisted dust sweeper on access and local roads, if required</li><li>• Avoid dry sweeping of large areas.</li><li>• Ensure vehicles entering and leaving the site are covered to prevent the escape of materials.</li></ul> | <p>Vacuuming is advised as a first point of call rather than brushing. If brushing is the only option water spraying is done first to reduce the dust.</p> <p>Wagons and skips are covered we entering and exiting the site to avoid waste spilling over.</p> |

Figure 2: Control Measures Table