



ACOUSTIC
CONSULTANTS LTD

Dust Monitoring Method Statement

**Florentia Clothing Village
Vale Road, Harringay Warehouse District**

Reference: 10140/BL

Client:		Acoustic Consultant:
Marbank Construction Ltd		 ACOUSTIC CONSULTANTS LTD

Document Control

Revision	Revision Description	Date	Author:	Reviewed by:
--		17/01/24	Blake Lucas	Blake Lucas
01	Addressing comments	19/01/24	Blake Lucas	Blake Lucas

The report has been prepared in good faith, with all reasonable skill and care, based on information provided or available at the time of its preparation and within the scope of work agreement with the Client. We disclaim any responsibility to the Client and others in respect of any matters outside the scope of the above. The report is provided for the sole use of the named Client and is confidential to them and their professional advisors. No responsibility is accepted to other parties.

The report limits itself to addressing solely on the aspects as included in this report. We provide advice only in relation to noise and acoustics. It is recommended that appropriate expert advice is sought on all the ramifications (e.g. CDM, structural, condensation, fire, legal, etc.) associated with any proposals in this report or as advised and concerning the appointment. It should be noted that noise predictions are based on the current information as we understand it and on the performances noted in this report. Any modification to these parameters can alter the predicted level. All predictions are in any event subject to a degree of tolerance of normally plus or minus three decibels. If this tolerance is not acceptable, then it would be necessary to consider further measures.

Table of Contents

1.	Introduction	4
2.	The Site	5
3.	Institute of Air Quality Management Guidance	6
4.	Site Thresholds for Monitoring of PM10	7
5.	Dust Management Strategy	8
6.	Summary & Conclusions	11

1. Introduction

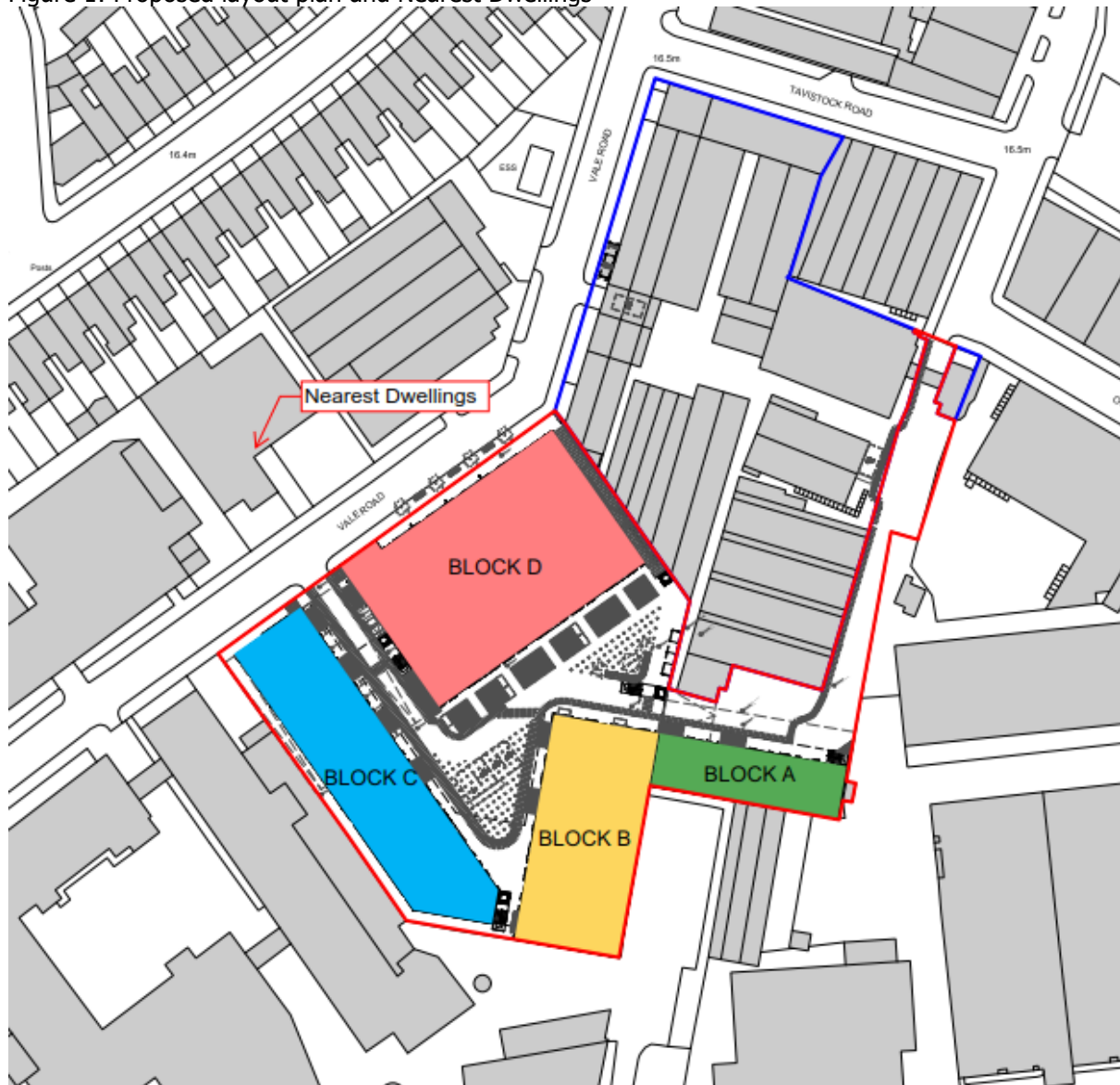
Marbank Construction Ltd appointed Acoustic Consultants to carry out a dust monitoring for the development works at Florentia Clothing Village. This report provides method statement for the dust monitoring to address the Local Authority comments below:

1. While the applicant has supplied a Dust Risk Assessment as part of the Air Quality and Dust Management Plan, due to the risk rating of the site the applicant will be required to undertake fixed PM10 monitoring. Therefore, the applicant will have to submit details of the specific location of dust monitors, site thresholds for the concentration of PM10, and confirmation of how the dust and particulate monitoring results will be made available to the pollution team for on-going assessment in accordance with the Greater London Authority SPG Dust and Emissions Control (2014) before we could consider the discharge of condition 9 (Construction Environmental Management Plan (CEMP)) attached to planning permission HGY/2022/0044.

2. The Site

The site is situated in a commercial area with some residential around. The nearest residential receivers to dust from construction works are located off of Vale Road, within Pacific House, opposite the site. All other receivers are further away and shielded from dust due to the site layout and adjacent industrial buildings.

Figure 1: Proposed layout plan and Nearest Dwellings



3. Institute of Air Quality Management Guidance

The Institute of Air Quality Management Guidance on Monitoring in the Vicinity of Demolition and Construction Sites, October 2018 (version 1.1). Paragraph 4.38-4.41 states:

Site Action Levels

4.38 It is common practice to set Site Action levels for PM concentrations and/or dust deposition/flux/soiling rates, as a mechanism to ensure that dust mitigation measures are both adequate and are being applied correctly. It can be useful practice for site operators to sign up to daily pollution forecasts so they become aware if moderate or high PM levels are likely; in these events additional mitigation may be applied.

4.39 Historically, a Site Action Level of 250 $\mu\text{g}/\text{m}^3$, measured as a 15-minute mean PM10 concentration, has been widely adopted and this was cited in the 2012 IAQM Guidance. However, this metric was founded on quite limited data, and was based on a study carried out by King's College on measurement data collected at Marylebone Road during 1999-2001, and the operation of a single construction site.

4.40 A more recent report by King's College has evaluated measurement data from nine construction sites. The monitoring was based on reference-equivalent samplers, and the analysis included 1.8 million data points. The outcome of this research recommends a Site Action Level of 190 $\mu\text{g}/\text{m}^3$, measured as a 1-hour mean. This recommendation has been reviewed and is fully endorsed by the Working Group that has drafted this IAQM Guidance.

4.41 The Site Action Levels set out below are recommended. These will be reviewed in the future as additional information becomes available.

- *PM10 Concentrations: 190 $\mu\text{g}/\text{m}^3$ averaged over a 1-hour period*

It should be noted this guidance has been revised, but the new guidance does not provide any dust limits. As such we consider it reasonable to work to the older guidance.

4. Site Thresholds for Monitoring of PM10

The Site Thresholds for Monitoring of PM10 would be based on the PM10 value averaged over the one hour period. We would advise dust is controlled to at the monitor location:

- RED (Action Level) LIMIT - 190 $\mu\text{g}/\text{m}^3$ averaged over a 1-hour period
- AMBER LIMIT - 150 $\mu\text{g}/\text{m}^3$ averaged over a 1-hour period

5. Dust Management Strategy

5.1. Community Liaison

Communication with the local residents and businesses is important and will ensure any concerns about the adverse impacts due to construction are reduced.

We would advise as part of the contractors work they communicate with letters or emails to all neighbouring properties prior to works commencing. The letter should:

- Communicate the works to take place.
- Advise dust control measures the contractor has in place.
- Advise of dust monitoring strategy and alert procedure.
- Provide an email and phone number for the main site contact for residents to communicate any concerns or complaints during the construction process. We understand the main contact will be Paul Kelly of Marbank Construction Limited.

In addition, the contractor should provide site notice board with the main contact noted above, to ensure that stakeholders have a main point of contact for any complaints or questions.

In the event of any dust complaint being received the contractor should:

- Investigate the cause of complaint
- Investigate as to whether the agreed limits have been exceeded.
- Inform us of any complaint to ensure they are recorded correctly in the weekly reports.
- Inform us of the action taken (if an agreed limit was exceeded).

It is advised best practical means is employed throughout the construction process to reduce the likelihood of dust complaints. All contractors and sub-contractors should be made aware of the working practices implemented to reduce complaints. This should be informed at all site inductions.

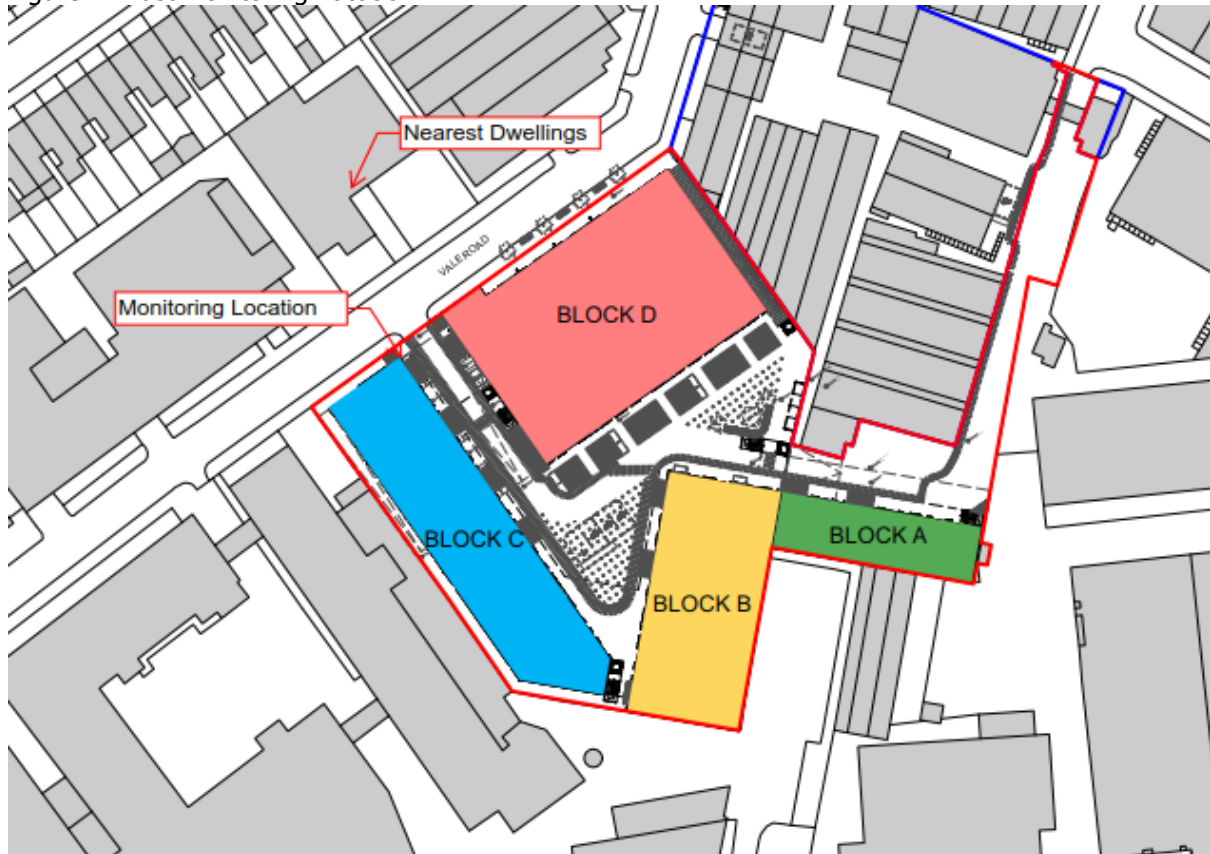
Dust and emission mitigation measures will be undertaken in accordance with the requirements for Medium Risk sites, as set out within Appendix 7 of The Control Of Dust And Emissions During Construction And Demolition Supplementary Planning Guidance.

5.2. Demolition and Construction Monitoring

To mitigate and monitor the effects of demolition and construction at the site on nearby residents environmental monitoring is to be completed on site.

The proposed location for dust monitoring is provided in the figure below:

Figure 2: Dust Monitoring Location



Based on the site layout, the above position is expected to be sufficient for a scheme of this type. This is on the basis these dwellings on Vale Road are the closest, and the prevailing wind would be from the South West. Site will be undertaking visual checks in addition to the remote monitoring to ensure dust is suitably controlled.

The location will be subject to a power supply being provided along with site being suitably secure.

Dust will be measured using fully calibrated MCERTS dust monitors. The equipment in use will be those supplied by Aeroquel (Dust Sentry) or Sigicom (X20DM2).

5.3. Alerting Measures

Email (and text message if necessary) alerts of any exceedances will be sent to the site contact, Paul Kelly of Marbank Construction Limited.

Where the measured levels are above the Action Level, or in the event of a complaint being substantiated by the Council, the work activity which is likely to be causing the exceedance and/or complaint shall cease and an investigation shall be carried out to ascertain the cause of the exceedance and/or complaint and to check that Best Practicable Means are being used to control the dust.

If it can be demonstrated that the above Action levels will not be exceeded again within the remaining shift then work is permitted to proceed.

6. Summary & Conclusions

Marbank Construction Ltd appointed Acoustic Consultants to carry out a dust monitoring for the development works at Florentia Clothing Village. This report provides method statement for the dust monitoring to address the Local Authority comments below:

Dust limits have been set based on the Institute of Air Quality Management guidance. The limits are as follows:

Table 1: Summary of Limits

Location	Dust Limits PM10 $\mu\text{g}/\text{m}^3$
All Receivers – Action Levels	190

Long term construction monitoring and good community liaison is proposed to ensure these limits are met. Any exceedances of these limits will be mitigated quickly by the contractor via Best Practical Means.



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