

Network Space Projects Limited

Ashroyd Business Park, Barnsley

Condition 10 – Noise and Dust Management Plan

**REPORT REF.
2307000-01A**

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1. INTRODUCTION

- 1.1. Ardent Consulting Engineers has been instructed to prepare a Noise and Dust Management Plan at Ashroyd Business Park, Barnsley, following planning consent reference 2018/0864¹ approved by Barnsley Metropolitan Borough Council (BMBC).
- 1.2. The site is situated in an existing industrial business park as shown in Figure 1-1. The site is adjacent to existing residential properties to the west and south, with commercial uses to the east and industrial uses to the north.



Figure 1-1: Site Location

¹ Barnsley Metropolitan Borough Council, Outline Planning Permission ref 2018/0864, dated 11th July 2018

- 1.3. The site currently has a single vehicular access located to the eastern boundary of the site
- 1.4. The development will be comprised of various employment uses within classes B1 (B), B1(C), B2 and B8 including ancillary offices and associated access, parking and circulation areas, infrastructure and landscaping. Outline planning consent was conditionally approved on 11th July 2018.
- 1.5. Condition 10 of planning consent 2018/0864 is reproduced below:

Condition 10

"Prior to any work commencing, the applicant shall submit to the Local Planning Authority for their approval a noise and dust management plan detailing how they will control noise and dust during construction. Once approved the applicant shall adhere to the noise and dust management plan at all times.

Reason: In the interests of the amenities of local residents and in accordance with Core Strategy Policy CSP 40, Pollution Control and Protection."

- 1.6. This management plan therefore considers the impact of noise and dust during the construction phase of the development.

Nearest Sensitive Receptors

- 1.7. The nearest occupied sensitive properties to the site have been identified as the properties on Stonehill Close to the west and Upper Hoyland Road to the south.

2. CONSTRUCTION NOISE LIMITS

- 2.1. Construction works have the potential to generate noise levels which may cause disturbance. The site's location will demand that careful controls are put in place to minimise noise impact, particularly surrounding the site. The contractor will comply with the recommendations set out in BS 5228:2009+A1:2014 Code of Practice for Noise and Vibration Control on Construction and Open Sites (or most recent revision).
- 2.2. Construction noise limits can be derived using the ABC Method of BS 5228, within section E.3.2. Table E.1, as shown below in Figure 2-1.

Table E.1 Example threshold of significant effect at dwellings			
Assessment category and threshold value period (L_{Aeq})	Threshold value, in decibels (dB)		
	Category A ^{A)}	Category B ^{B)}	Category C ^{C)}
Night-time (23.00–07.00)	45	50	55
Evenings and weekends ^{D)}	55	60	65
Daytime (07.00–19.00) and Saturdays (07.00–13.00)	65	70	75
NOTE 1 A significant effect has been deemed to occur if the total L_{Aeq} noise level, including construction, exceeds the threshold level for the Category appropriate to the ambient noise level. NOTE 2 If the ambient noise level exceeds the threshold values given in the table (i.e. the ambient noise level is higher than the above values), then a significant effect is deemed to occur if the total L_{Aeq} noise level for the period increases by more than 3 dB due to construction activity. NOTE 3 Applied to residential receptors only.			
^{A)} Category A: threshold values to use when ambient noise levels (when rounded to the nearest 5 dB) are less than these values. ^{B)} Category B: threshold values to use when ambient noise levels (when rounded to the nearest 5 dB) are the same as category A values. ^{C)} Category C: threshold values to use when ambient noise levels (when rounded to the nearest 5 dB) are higher than category A values. ^{D)} 19.00–23.00 weekdays, 13.00–23.00 Saturdays and 07.00–23.00 Sundays.			

Figure 2-1: Table E.1 from BS 5228: Part 1

- 2.3. A noise assessment was produced by WYG² to support the planning application for the site (report reference: A099897, dated June 2018). A noise survey accompanied the assessment, based on the measured noise levels, the site would fall within Category A of Table E.1.
- 2.4. Therefore, the following ambient noise levels set out in Table 2-1 resulting from construction activities are considered to be a target which should be achieved at the nearest receptors.

² Noise Assessment – Ashroyd Business Park A099897, June 2018

Time Period	Construction Target Noise Level dB L _{Aeq}
Monday to Friday (08:00 – 18:00) & Saturday (08:00 – 13:00)	65

Table 2-1: Ambient Noise Levels as a Result of Construction Activities at Which a Significant Effect is Likely

- 2.5. Operations will be reasonably transient, and it is expected that noisy operations will take place for relatively short periods throughout the construction phase.

3. NOISE CONTROL

- 3.1. Noise control should follow the hierarchy whereby the control at source is the preferred approach, followed by noise control in the transmission path and then lastly noise control at the receiver.
- 3.2. Noise control at source will comprise the selection of appropriate plant, the position and orientation of the plant, the correct operation of plant (through training), appropriate timing of operations and servicing of the plant in accordance with the manufacturer's instructions.
- 3.3. Noise control in the transmission path is often limited to screening structures that interrupt the direct path between the source and the receiver. Where practicable plant will be located behind screens, site buildings and material stockpiles.
- 3.4. Noise control at the receiver is rarely an option on such schemes as they are beyond the control of the developer, but in extreme cases where all other options have been exhausted these measures can include secondary glazing and other mitigation of the property. It is not anticipated that these measures would be needed at surrounding sensitive receptors.

Good Practice Mitigation Measures

- 3.5. The following good practice mitigation measures will be implemented to control noise from construction works on site:
 - Appropriate plant should be selected, training should be undertaken in relation to the correct operation of plant and appropriate timing of noisy operations shall be considered.
 - Construction hours will be restricted to 08:00 - 18:00 (Monday - Friday) and 08:00 - 13:00 (Saturday) with no working on Sundays or Bank Holidays, unless prior agreement with the Barnsley Metropolitan Borough Council.
 - Keep construction time near noise sensitive areas to a minimum.
 - Avoid unnecessary noise, such as shouting, the use of horns, loud site radios, rough handling of material and equipment, and banging or shaking mobile plant.
 - Reversing alarms will be set to the minimum level required by HSE, a broadband signal can be used if issues persist with tonal alarms.
 - Avoid metal on metal contact where practicable by minimising drop heights, such as during the erection of scaffold and the loading and unloading of HGV's.

- Machinery will be thoroughly inspected and properly maintained prior to and during use.
- Mitigate track squeal from tracked equipment, such as excavators and piling rigs. This may include tensioning and watering or lubricating the tracks regularly.
- Avoid high engine revs where practicable through appropriate equipment selection and switch off plant not in continuous use.
- Crane and secure loads using straps in preference to chains where safe and practicable.
- Fixed items of plant will be electrically driven, if possible.
- All noise generating operations will be situated as far away as possible from sensitive receptors where this is possible. Where this is not possible, noise emissions will be controlled accordingly by effective screening. Particularly where work is undertaken against sensitive receptor boundaries.
- All vehicles, compressors and plant will be equipped with effective silencers and noise reducing insulation in accordance with BS5228 where necessary.
- Deviation from approved method statements will only be consented with the prior approval of Barnsley Metropolitan Borough Council.
- Any noise complaints, breaches of Section 60 notices or exceedances of action levels will be investigated by BDW immediately.
- Where necessary, undertake noise monitoring to confirm levels are within the criterion.

3.6. If noise and levels are expected to exceed the guidance criteria monitoring can be undertaken according to the methods set out in Appendix B of BS 5228: Part 1.

Public Relations

3.7. A key aspect of the successful management of this project will be establishing and maintaining a good relationships and lines of communication with surrounding neighbours. Where key stages of the works or operations that might generate higher noise or vibration levels are due to take place local residents will be informed by newsletter.

3.8. A log of all feedback, both positive and negative shall be kept on site and a record of any actions taken shall be made where relevant.

4. SUMMARY OF DUST AND PM₁₀ RISK ASSESSMENT

- 4.1. WYG undertook a dust and PM₁₀ risk assessment in August 2018 (WYG,2018)³, as part of the Air Quality Assessment undertaken to support of the planning application. The assessment was undertaken in accordance with the Institute of Air Quality Management (IAQM) '*Guidance on the Assessment of Dust from Construction and Demolition*' (IAQM, 2014)⁴.
- 4.2. A summary of the risk of dust and PM₁₀ impacts, without mitigation, is shown in Table 4-1.

Potential Impact	Risk of Impacts Prior to Mitigation			
	Demolition	Earthworks	Construction	Trackout
Dust Soiling	n/a	Medium	Low	Negligible
Human Health	n/a	Low	Negligible	Negligible
Ecological	n/a	Negligible	Negligible	Negligible

Table 4-1: Risk of Dust Impacts Prior to Mitigation

- 4.3. Taking into consideration the risks set out in Table 4-1, appropriate mitigation measures corresponding to a 'medium' risk site are required, although measures corresponding to a 'low' risk site will be sufficient for construction activities and no specific measures will be required for trackout activities.
- 4.4. The recommended list of mitigation measures is set out in Section 6. Following implementation of the recommended mitigation, the overall residual effect will be 'not significant'.

³ Air Quality Assessment – Ashroyd Business Park A099897, August 2018

⁴ IAQM. (2014). Guidance on the assessment of dust from demolition and construction. London: IAQM.

5. INVENTORY AND TIMETABLE OF DUST-GENERATING ACTIVITIES

Development Timescales

5.1. The main construction programme is anticipated to start in September 2024 and will take approximately 44 weeks to complete (completed approximately by July 2025).

Dust-Generating Activities

5.2. Details of the dust-generating activities which may potentially occur over the duration of the works are provided below.

- Installation / decommissioning of temporary services (e.g. Site cabins / welfare facilities);
- Clearance of any topsoil / subsoil / foliage / vegetation;
- On-site crushing of materials;
- Use of cutting / grinding / piling machinery;
- Concrete pouring, brick laying and paving;
- Blockwork and drylining to form internal walls;
- Handling and movement of aggregates;
- Movement / transfer of waste material on-site;
- On-site vehicle / plant emissions (e.g. mobile crushing plant, excavator, etc.); and
- Delivery / collection emissions (e.g. trackout and / or resuspension of material by Heavy Duty Vehicles (HDVs)).

6. DUST AND EMISSION CONTROL MEASURES

6.1. The following standard mitigation measures have been identified as being appropriate for a 'medium' risk site (see Table 4-1), although measures corresponding to a 'low' risk site will be sufficient for construction activities and no specific measures will be required for trackout activities. This is based on the outcome of the dust risk assessment (WYG, 2018) and recommendations within the IAQM's Dust guidance (IAQM, 2014).

Mitigation Measures	Additional Comments
Communications	
A stakeholder communications plan that includes community engagement before and during work on-site will be developed and implemented before work commences on-site.	It is recommended that a designated Community Liaison Officer is appointed, who will distribute leaflets to nearby properties, providing contact details and updates on likely activity. Residents will be provided with 2 weeks' notice, via leaflet, of any significant or disruptive activities.
The name and contact details of person(s) accountable for air quality and dust issues will be displayed on the Site boundary. This may be the Site or Environment Manager	This will be the details of the Site / Environment Manager(s) and Community Liaison Officer. This information will also be included as part of the community engagement.
Contact details for the head or regional office will be clearly displayed on the Site Boundary.	This will be the details of the contractor(s) and the developer.
A DMP will be developed and implemented. This DMP will be approved by the Local Authority and will include the mitigation measures to be applied, and the procedures for their implementation and management.	This document satisfies this requirement.
Site Management	
Record and respond to all dust and air quality pollutant complaints. Identify cause(s), take appropriate measures to reduce emissions in a timely manner and record any measures taken.	An Air Quality Log Book will be kept on-site in which all complaints will be logged along with any follow up actions taken to remedy any impacts and to prevent a similar event from recurring.
A complaints Log Book will be made available to the Local Authority on a periodic basis (e.g. weekly) or when asked.	Details of when and how BMBC would like to be sent copies of the Air Quality Log Book and who they should be sent to will be established and actioned by the contractor(s). This information will be detailed within this DMP and updated as necessary.
Records will be kept of any exceptional incidents that cause dust and air quality pollutant emissions, either on or off-site,	This information will be recorded in the Log Book and details provided to BMBC of exceptional circumstances within 24 hours to the relevant contact(s) established.

and the action taken to resolve the situation is recorded in the Log Book.	
Monitoring	
Daily on-site and off-site inspection will be undertaken where receptors (including roads) are nearby, to monitor dust, record inspection results, and make the Log Book available to the Local Authority when asked. This will include regular dust soiling checks of surfaces such as street furniture, cars and window sills within 100m of the Site boundary, with cleaning to be provided if necessary.	Incidents will be recorded in the Log Book and where necessary reported to BMBC. The contractor(s) will carry out regular (weekly as a minimum) dust soiling checks as a minimum, and the frequency will be increased when activities with a high potential to produce dust are being carried out and during prolonged dry or windy conditions. Incidents of dust soiling on buildings within 100 m of the Site boundary will be recorded in the Log Book, to be reported to the established contact(s) at BMBC, as agreed with BMBC.
Regular Site inspections will be carried out to monitor compliance with air quality and dust control procedures, record inspection results and make an inspection Log Book available to the Local Authority on a periodic basis or when asked	Daily inspections will be undertaken and the dust Log Book will be completed, making a record of the visual levels of dust within, and in the immediate vicinity of, the Site.
The frequency of inspections will be increased when activities with a high potential for dust release are taking place, or during prolonged dry or windy weather conditions to ensure dust and emissions are controlled.	Site inspections will be increased to hourly when activities with a high dust-generating potential are taking place, or during prolonged dry or windy weather conditions.
Dust deposition, dust flux, or real-time PM ₁₀ continuous monitoring locations will be agreed with the Local Authority. Where possible commence baseline monitoring at least three months before work commences on-site.	See Section 7 for details on the monitoring recommendations.
Preparing and Maintaining the Site	
The Site layout will be planned so that machinery and dust generating activities are located as far as is possible away from receptors.	The contractor(s) will determine the most appropriate location(s) within the Site once work activities have been established and a plan showing where these activities will be carried out will be incorporated into this DMP. Dust generating activities and stockpiles will be located away from sensitive receptors, particularly residential properties adjacent the western and southern boundaries of the Site.
Solid screens or barriers will be erected around dusty activities or the Site boundary that are, at least, as high as any stockpiles on-site.	The contractor(s) will update this DMP to include a plan showing the location of hoarding/barriers around and within the Site, indicating stockpiles, storage areas and any particularly dust-generating activity(ies). Wind breaks may also be

	used to prevent dust generation depending on-site operations.
The Site or specific operations will be enclosed where there is a high potential for dust production and where the Site is active for an extensive period.	The contractor(s) will update this DMP to include a plan showing the location of enclosures and indicating any particular high potential dust-generating activity(ies).
Site runoff of water or mud will be avoided.	Should construction run-off and wastewater arise from activities, this will be disposed of in accordance with the requirements of the Environment Agency and other relevant bodies.
Site fencing barriers and scaffolding will be kept clean using wet methods.	The contractor(s) will clean Site hoarding during normal working hours using water sprays/damp cloths, where necessary.
Materials that have the potential to produce dust will be removed from the Site as soon as possible, unless they are being re-used on-site.	The contractor(s) will ensure that any materials are removed at frequent intervals during standard working hours and the Site is kept clean and tidy. If they are being re-used, they will be covered using on-site covering as described below.
Stockpiles will be covered, seeded or fenced to prevent wind whipping.	The contractor(s) will update this DMP to include the location of stockpiles storage areas and details of methods to prevent wind whipping.
Operating Vehicle/ Machinery and Sustainable Travel	
All vehicles visiting and entering the Site will switch off engines when stationary. No idling vehicles will be permitted.	
The use of diesel or petrol powered generators will be avoided and mains electricity or battery powered equipment will be preferred, where possible.	
A Construction Logistics Plan will be produced to cover the sustainable delivery of goods and materials.	A detailed CEMP will be prepared which covers this requirement.
A Travel Plan will be implemented that supports and encourages sustainable travel (public transport, cycling, walking and car-sharing).	A Travel Plan will be produced and implemented by the contractor(s).
All cutting, grinding and sawing equipment will be fitted, or only used in conjunction with, suitable dust suppression techniques such as water sprays or local extraction systems, e.g. suitable local exhaust ventilation systems.	Where practical, materials would be pre-fabricated off-site and brought to the Site for assembly.
An adequate water supply for effective dust/PM suppression/mitigation (using recycled water / non-potable where possible) will be accessible on-site.	Water bowsers will be provided on site to provide continuous dust/PM suppression where required. A continuous water supply will be made available at the Site to ensure a continuous supply of water for use by the bowsers to ensure uninterrupted water suppression when needed.
Enclosed chutes, conveyors and covered skips will be used on-site.	

Drop heights will be minimised for conveyors, loading shovels, hoppers and other loading or handling equipment and use of fine water sprays on such equipment will be used wherever appropriate.	
Equipment will be readily available on-site to clean any dry spillage. Spillages will be cleaned up as soon as reasonably practicable after the event using wet cleaning methods.	
Waste Management	
No bonfires or burning of waste will be allowed on-site.	
Construction	
Scabbling will be avoided where possible.	
Sand and other aggregates will be stored in bunded areas and are not allowed to dry out, unless this is required for a particular process, in which case it will be ensured that appropriate additional control measures are in place.	Any mixing of large quantities of cement, grouts and other similar materials will be carried out in enclosed areas away from the Site boundary and any potentially sensitive receptors.
Trackout	
Water-assisted dust sweeper will be used regularly on the access and local roads, as necessary, to remove any material tracked out of the Site.	The continuous use of a sweeper may be required.
Dry sweeping of large areas will be avoided.	
All vehicles entering and leaving the Site will be securely covered to prevent escape of materials during transport.	Adequate sheeting will be required on all vehicles carrying waste materials.

Table 6-1: Mitigation Measures

Additional Dust Control Measures

- 6.2. All activities for the Site will be controlled by Risk Assessment and Method Statements (RAMS). These will be project- and activity-specific and will be produced by the appointed contractor(s) and reviewed and approved by the developer. Dust control measures will be included where appropriate.
- 6.3. Material cleared during construction should be re-used on-site where possible. This has significant environmental advantages in reducing vehicle movements (associated with removing and importing material) and reduces the amount of waste taken to landfill.
- 6.4. The following additional dust control measures are also recommended:

- All staff should be aware of, and follow, any relevant local legislation and guidance regarding air quality;
- Through the design and selection of the construction methodologies, consideration will be given to mitigate the generation of dust, wherever possible. Works that could generate trackout of dust and material onto the surrounding road network will be minimised, if reasonably practicable;
- Should dust become an issue, damping down will be undertaken as required using water bowsers available on the site. A continuous water supply will be available on the Site to ensure uninterrupted damping down when required. Soil stockpiles and any haulage roads will be damped down, particularly during dry or windy weather;
- Effective segregation between the construction works activities and members of the public will be maintained;
- The movement of traffic and machinery around the Site should be minimised as much as is practicable;
- All plant and equipment will be regularly tested and undergo scheduled regular maintenance to ensure that it operates as intended. Plant and equipment will also be checked to ensure that there is no damage or issues following use (to be reported and recorded should concerns arise);
- Where possible, zero / ultra-low emission plant and equipment will be used to minimise associated emissions;
- Any plant brought to the Site will be checked to ensure they meet requirements and are well maintained, and any machinery which does not meet the requirement will be rejected from site unless retrofitted to the required standard; and
- Measures will be taken to prevent mud / debris from being swept into gullies, as required.

Vehicle and Plant Emissions

- 6.5. All vehicles accessing the Site will use the access points, as shown in the CEMP. Should these routes and / or access points change, then this DMP will be updated by the contractor(s) accordingly.

6.6. The drivers of vehicles responsible for transporting materials to and from the Site will be informed of the routes that should be taken, as well as the requirements of this DMP (as updated by the appointed contractor(s)). These will be written into supplier and contractor contracts to ensure adherence.

1.1 In addition to the above, the following measures will also be implemented:

- All suppliers employed by the contractor(s) will be obliged to adhere to relevant and appropriate safety and environmental standards and programmes;
- Vehicles should be well maintained and kept in a high standard or working order;
- Where possible, zero / ultra-low emission vehicles will be used to minimise associated emissions;
- All workers will receive a Site induction training addressing agreed traffic haulage routes to the Site and rules for operating vehicles;
- A trained, qualified and certified Traffic Marshal wearing high visibility clothing will direct delivery vehicles within the development Site. The Traffic Marshal will direct the delivery vehicles to the designated loading point using hand signals and communicating to drivers through vehicle mirrors;
- A delivery management system will fully control vehicle access and deliveries to ensure that no over-congestion occurs within, or in the vicinity of the Site. Delivery vehicles will be expected to arrive on-time at pre-agreed times to ensure waiting does not occur in surrounding roads;
- Drivers of delivery vehicles travelling to Site will be informed of the appropriate routing arrangements which should be used to ensure that the most direct and efficient routes are taken, thereby reducing vehicle emissions;
- Delivery restrictions will be in place to minimise the impact on the local highway network and surrounding area at sensitive times;
- A summary of local public transport options is to be provided to staff and operatives via induction training as appropriate in the form of a Staff Travel Plan. Staff will be encouraged to travel to and from the Site by sustainable modes (e.g. public transport and car/van sharing) and all suppliers /

contractors will be encouraged to use greener vehicles and make the most efficient use of construction vehicles. Local suppliers / subcontractors will be used where possible; and

- Dust suppression will be implemented through the regular use of water sprays, sheeting of haulage vehicles and the use of wheel washers for vehicles departing the Site. Regular patrols of the local highway network will be put in place and highway sweeping / cleaning along the Site entrance and access roads will be implemented to prevent deposits and mud / dust / debris building up.

7. MONITORING

- 7.1. As outlined in Table 6-1, both visual and quantitative monitoring of dust is recommended to be undertaken during the earthworks and construction activities.

Visual Inspections

- 7.2. Daily dust inspections will be undertaken and recorded in a log, making a record of the visual levels of dust on-site and in the immediately surrounding area. Additionally, dust soiling checks of buildings within 100m of Site boundary will be carried out, at a minimum, on a weekly basis. Any subsequent action taken to remedy any impacts and any measures employed to prevent a similar event recurring will be recorded in a log. Visual inspections shall include regular checks of surfaces such as street furniture, cars and windowsills. Conditions likely to lead to increased dust emissions (e.g. dry weather and / or windy weather, activities with a high likelihood of generating dust) should also be recorded.
- 7.3. In addition, the appointed Site Manager will immediately investigate any dust complaint from the surrounding area that is attributed to site activities. If, following investigation, the complaint is valid, and the incident is attributed to on-site or trackout activities, then further controls (within industry best practice limits) will be implemented. Any complaints will be logged and reported to BMBC.

Dust Monitoring

- 7.4. Based on the overall 'medium' risk of dust soiling (as opposed to the overall 'low' risk of human health impacts, Table 4-1), it is likely that loss of amenity due to the deposition of dust on surfaces in the vicinity of the Site will be the main potential impact of concern. Therefore, in accordance with the IAQM's 'Guidance on Monitoring in the Vicinity of Demolition and Construction Sites' (IAQM, 2018)⁵, prior to the commencement of construction activities, MCERTS certified dust monitoring systems (e.g., OSIRIS) will be installed at two locations, on a transect through the site, up and downwind of the proposed works. Continuous monitoring allows instantaneous alerts, enabling a targeted and immediate response.

⁵ IAQM. (2018, October). Guidance on Monitoring in the Vicinity of Demolition and Construction Sites (version 1.1)

7.5. Indicative monitoring site locations are shown in Figure 7-1. The proposed monitoring site locations have been determined taking into consideration the location of the nearest residential receptors and the prevailing wind direction (which is from the west and southwest). The location of the monitoring sites should be reviewed by the appointed contractor(s), taking into consideration any relevant additional information available at the time (e.g. the location of any activities known to generate large quantities of dust, the location of any barriers to dust, the introduction of new sensitive receptors, etc.). The appointed contractor(s) should also ensure that the monitors are suitably secure and accessible, and that on-site practicalities and logistics are considered.

7.6. The following guidelines will be adhered to when siting the monitors:

- the flow around the inlet sampling probe will be unrestricted (free in an arc of at least 270°);
- affecting the airflow in the vicinity of the sampler will be avoided (e.g., buildings, balconies, trees and other obstacles);
- the inlet sampling point will be between 1.5 m (the breathing zone) and 4 m above the ground; and
- the inlet probe will not be positioned in the immediate vicinity of sources in order to avoid the direct intake of emissions unmixed with ambient air.

7.7. Monitoring site locations may be revised in response to local complaint data during the earthworks and construction phase. The final selection of monitoring locations, as well as any post-installation revisions, should be agreed with BMBC.

7.8. Where possible, baseline monitoring should commence at least three months prior to the first on-site works activities.



Figure 7-1: Indicative Dust Monitoring Locations

7.9. A 1-hour mean Site Action Level (SAL) level of $190 \mu\text{g}/\text{m}^3$ will be set, in accordance with the IAQM guidance. Should the SAL be exceeded, an email and SMS alert will immediately be sent to the contact on site and a contact at BMBC. These real-time alerts will enable the dust source to be identified and suitable mitigation to be rapidly employed to minimise further impacts.

7.10. All monitoring data will be recorded and made available to BMBC. This shall include any exceedances of the identified SALs, as well as remedial actions taken. Suitable actions may include measures such as investigating the cause of the SAL, implementing appropriate measures to reduce / contain dust emissions and / or the ceasing of activities. Suitable actions should also be agreed with the BMBC prior to commencement of monitoring activities to ensure procedures are in place.

7.11. In the event that the SAL is consistently being breached, the Site Manager will ensure work ceases immediately and take any remedial actions that are required to ensure effective dust suppression, prior to restarting operations.

7.12. It is recommended that a monthly summary report shall be produced and made available to BMBC for the duration of the monitoring.

8. IMPLEMENTING, MONITORING AND UPDATING OF THIS DMP

- 8.1. The measures and actions outlined within this DMP (and within the CEMP) will be adopted by the appointed contractor(s), who will undertake a review of all measures set out within this document and ensure that they are appropriate for the anticipated methods of working and Site activities. Where any changes to this DMP are anticipated, these will be agreed with BMBC, following which this DMP (and CEMP) will be updated as necessary.
- 8.2. As part of the review, the appointed contractor(s) will also update this DMP (and CEMP) and provide additional information / clarification where required, as required / indicated within the current version of the DMP.
- 8.3. If, during progression of the on-site activities, timescales or working practices are changed, then updates to this DMP (and CEMP) will be made by the appointed contractor(s) to reflect this and BMBC will be informed accordingly.

9. CONCLUSIONS

- 9.1. Ardent Consulting Engineers has been instructed to prepare a Noise and Dust Management Plan at Ashroyd Business Park, Barnsley, following planning consent reference 2018/0864 approved by BMBC.
- 9.2. Noise limits have been set based on the measured ambient noise levels across the site, informed by guidance in BS 5228:2009+A1:2014.
- 9.3. Control measures will focus on the source of noise, in line with best practice noise control. All other best practice methods to control noise will be employed and regularly reviewed.
- 9.4. Best practice dust control measures will be employed at the Site and continuous particulate monitoring undertaken to enabling a targeted and immediate response to elevated dust concentrations.
- 9.5. The developer will ensure regular communication with neighbouring sensitive receptors is maintained and any feedback acted upon where appropriate.
- 9.6. Subject to the recommendations included in this report, it is considered that the requirements of Condition 10 have been met.