## Dust – Monitoring & Mitigation – 20-21 Kings Mews

Referring to visible dust, it is imperative to prevent statutory nuisance arising from the demolition, construction works or dusty activities. Therefore a philosophy of the prevention of dust formation in the first place shall be adopted.

Dealing with dust should be in the following fashion: 1. Prevention 2. Suppression 3. Containment.

These three principles are well established and are central to the control strategies to control dust. They follow a hierarchy to control the emissions.

These principles will be implemented in line with Camden’s Minimum Requirements.

If deemed necessary, a full Dust and Emissions Risk Assessment will be carried out, as per GLA’s control of dust and emissions supplementary planning guidance (spg)

However, we deem the risk level for this project to be **negligible to low**.

The main reasons for this assessment level are the size of the site (small) and relatively low activity levels, e.g. no vehicular movements and minimal plant usage on site.

So, despite the closeness and number of domestic neighbours, the impact on them and their activities will be minimal.

Regardless of the risk level, DDC will ensure that their own employees working on site and all sub-contractors follow best practice at all times to control and limit emissions of gaseous and particulate pollutants into the atmosphere from the construction and demolition activities, including vehicles and plant.

The checklist below identifies mitigation procedures, which extend beyond those required for a negligible to low risk dusty site, but will be implemented on site in order to minimize dust nuisance from dusty operations. Included are correct storage of raw materials, high standards of housekeeping and site management, minimization of drop heights and consideration of the prevailing wind (in line with Camden’s Minimum Requirements).

Suppression techniques will be through the use of water via hoses and dampening down of localised areas during demolition/construction, instead of using a Dustboss which will not be suitable for such a small location. We will ensure that we have an adequate supply of water on site that has adequate frost protection (in line with Camden’s Minimum Requirements).

Regardless of regular inspections and procedures, should any airbourne dust be seen to be leaving the site boundary the source of the emission will be immediately identified and corrective action will be taken without delay (in line with Camden’s Minimum Requirements).

**Checklist of mitigation measures relevant to this site which will be implemented**

|  |  |  |
| --- | --- | --- |
| **Mitigation Measure to be implemented** | **Responsible Person** | **Frequency of checking** |
| **Site management** |  |  |
| Display name and contact details of person responsible for air quality issues on the site hoarding notice board | Site manager | Weekly |
| Display the head of regional office contact information | Site manager | Weekly |
| Record and respond to all dust and air quality pollutant emissions complaints (see Complaints Procedure in Supporting Information) | Site manager | Ad hoc |
| Make the complaints log available to the local authority when asked | Site manager | Ad hoc |
| Carry out regular site inspections to monitor compliance with air quality and dust control procedures, record inspection results and make the inspection log available to the local authority when asked | Site manager | Weekly |
| Increase the frequency of inspections when activities with a high potential to produce dust are being carried out and during prolonged dry or windy conditions | Site manager | Daily / Hourly |
| Record any exceptional incidents that cause dust and air quality pollutant emissions, either on or off site and record any action taken to resolve the situation in the log book | Site manager | Ad hoc |
| **Preparing and maintaining the site** |  |  |
| Plan the site layout: locate machinery and dust causing activities away from receptors | Site manager | Weekly / Daily |
| Erect solid screens or barriers around dust activities or the site boundary that are at least as high as any stockpiles on site | Site manager | Weekly |
| Fully enclose site or specific operations where there is a potential for dust production and the site is active for an extensive period | Site manager | Weekly |
| Ensure scaffolding will be enclosed with Monarflex | Site Manager | Ad hoc |
| Avoid site runoff of water or mud | Site Manager | Daily |
| Keep site fencing, barriers and scaffolding clean using wet methods | Site manager | Weekly |
| Remove materials from site as soon as possible | Site Manager | Daily |
| **Operating vehicle / machinery and sustainable travel** |  |  |
| Ensure all on-road vehicles comply with the requirements of the London Low Emission Zone | Site Manager | Ad hoc |
| Ensure all non-road mobile machinery (NRMM) comply with the standards set out within this guidance | Site Manager | Ad hoc |
| Ensure all vehicles switch off engines when stationery – no idling vehicles | Site Manager | Ad hoc |
| Avoid the use of diesel or petrol powered generators and use mains electricity or battery powered equipment where possible | Site Manager | Ad hoc |
| Impose and signpost a maximum site speed limit of 10 mph | Site Manager | Weekly |
| Implement a Travel Plan that supports and encourages sustainable travel (public transport, cycling, walking and car-sharing) | Site Manager | Weekily |
| **Operations** |  |  |
| Only use cutting, grinding and sawing equipment fitted, or in conjunction with suitable dust suppression techniques such as water sprays or local extraction, e.g. suitable local exhaust ventilation systems | Site Manager | Ad hoc |
| Ensure an adequate water supply is available on site for effective dust / particulate matter mitigation (using recycled water where possible) | Site Manager | Daily |
| Use enclosed chutes, conveyors and covered skips | Site Manager | Daily |
| Minimise drop heights from conveyors, loading shovels, hoppers and other loading and handling equipmentand use fine water sprays on such equipment wherever appropriate | Site Manager | Daily |
| **Waste management** |  |  |
| Reuse and recycle waste to reduce dust from waste materials | Site Manager | Weekly |
| Avoid bonfires and burning of waste materials | Site Manager | Weekly |
| **Measures specific to demolition** |  |  |
| Soft strip inside buildings before demolition (retaining walls and windows in the rest of the building where possible, to provide a screen against dust) | Site Manager | Weekly |
| Ensure water suppression is used during demolition operations | Site Manager | Daily |
| Avoid explosive blasting, using appropriate manual or mechanical alternatives | Site Manager | Daily |
| Bag and remove any biological debris or damp down such material before demolition | Site Manager | Daily |
| **Measures specific to Construction** |  |  |
| Avoid scrabbling (roughening of concrete surfaces) if possible | Site Manager | Ad hoc |
| Ensure sand and other aggregates are stored in bunded areas and are not allowed to dry out, unless required for a particular process, in which case ensure that appropriate additional control measures are in place | Site Manager | Daily |
| **Measures specific to Trackout** (no on-road vehicles will be entering the site) |  |  |
| Regularly use a water-assisted dust sweeper on the access and local roads, as necessary, to remove any material tracked out of the site | Site Manager | Daily |
| Avoid dry sweeping of large areas | Site Manager | Daily |
| Ensure vehicles visiting and leaving site are securely covered to prevent escape of materials during transport | Site Manager | Ad hoc |

We understand the importance of management techniques for effective control of emissions, our techniques include; proper management, supervision and training for process operations; proper use of equipment; effective preventative maintenance on all plant and equipment concerned with the control of emisions to air; and we will ensure that spares and consumables are available at short notice in order to rectify breakdowns rapidly. We understand this is important in relation to our environmental controls onsite (in line with Camden’s Minimum Requirements. The Site Manager will prepare a list of essential items at the start of each phase.

In addition to the above, effective preventative maintenance will be employed on all aspects of the construction / demolition works including all plant, vehicles, buildings and the equipment concerned with the control of emissions to air (in line with Camden’s Minimum Requirements).