St James
Designed for life

St James Group - Finchley

Project Name: Hornsey Depot (Smithfield Square)
Planning Ref: HGY/2013/2019
Report: Management of Construction Dust Plan
Date: 12th November, 2014



On Possession of Site

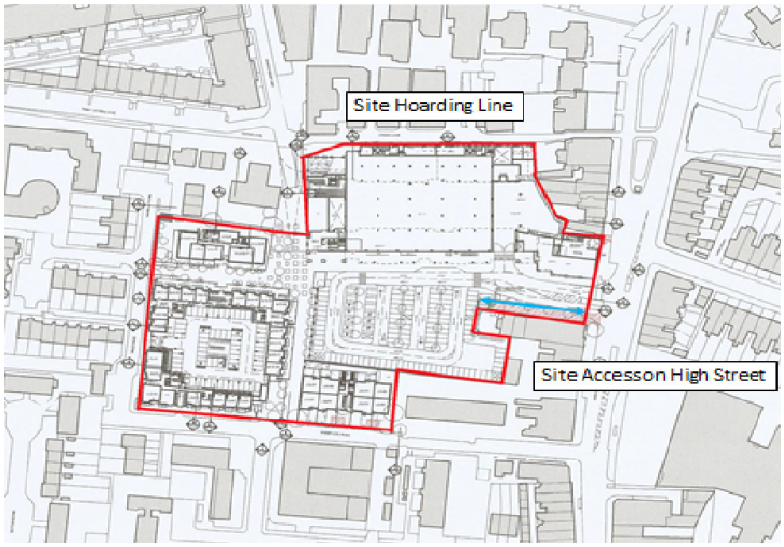
Welfare

Welfare facilities consisting of canteen, drying room, stores, toilets and office facilities will be formed on the existing concrete hard standing. The welfare and office facilities are to be cabin based and powered by mains feed for both electricity and water.

A full time welfare facilities operative will be employed to ensure that the welfare facilities are kept in a high standard of cleanliness.

Security

No unauthorized persons to be allowed on site. Site hoarding (designed) to be erected, constructed of 2.4m timber panel frame. Competent Traffic Marshall to be present at Vehicular Gates at all times. Site security to be controlled by St James at all times.



Signage & Access Control

Fixed warning signs at site entrance / exit points and around work perimeters detailing the potential hazards of the area. Works specific signs will be located in prominent positions on the floors whereby their warnings can be clearly read and their instructions complied with. Maintain signs in good and legible condition throughout the course of the works. Liaise with other contractors working in close proximity.

Induction Training & Site Specifics

Prior to commencement of any work operations, all staff and operatives will receive site / project specific induction training.

Arrangements for the Coordination of Contractors

It is the responsibility of the Construction Management Team to monitor and develop the Health and Safety and Environmental Plan to ensure the co-ordination of other contractors while construction takes place.

This will be by ensuring that; -

- A common approach is developed for managing the Health and Safety by everyone involved in the construction phase.
- Assessments are prepared by contractors under the Management of Health and Safety at Work Regulations 1999.
- The provision and use of designated welfare arrangements.

Nuisance Dust

Demonstrate compliance with the guidance found in 'The Control of Dust and Emissions' from construction and demolition Best Practice produced by the Greater London Authority (GLA).

http://static.london.gov.uk/mayor/environment/air_quality/docs/construction-dustpg.pdf

Dust monitoring will be carried out using 2 optical analysers, one downwind and one roughly upwind of the site / at the closest residential properties

All reasonable measures will be taken to control nuisance regarding dust and pollution, complying with all reasonable requests from the Client and occupiers of the adjoining properties.

During a dry spell, water spraying shall be used to damp down the surfaces and all dust creating activities.

During wet periods, attention shall be drawn to the trafficking of mud and debris by vehicles on to the highways. In this case the roads shall be inspected daily and cleaned as appropriate.

Dust suppression measures shall be assessed at the beginning of each day and reviewed as necessary. This will have regard to the nature of the works, the location and proximity of adjacent properties and the public.

Additionally and when necessary the site supervisor will order one of our in house road sweepers to clean the roads.

The following precautions and best practice measures will be adopted from the beginning to the end of the project.

1. Continual dampening down using fine water spay on to activity areas that may create dust.
2. All loose debris and arisings that are light enough to be lifted up by the wind are to be cleared from the external or exposed site-working areas.
3. The debris and arisings will be either removed from the site or stored on the site in containers or spoil heaps with tied down covers.
4. In dry and windy conditions selected site areas will be hosed down to reduce the migration of debris, dirt and dust particles into the air.
5. Water will be applied in a controlled manner to ensure the risk of fugitive dust is minimised whilst avoiding excessive wetting of materials such that there is no potential for silty contaminated run-off from the work area
6. Sheeting of haulage vehicles entering/leaving site.
7. Covering of site skips.
8. During muck shift periods, provide road sweepers when necessary.
9. Regularly inspect and clean approach roads.
10. Disc cutting works to be subjected to dust suppression,
11. Establish site speed limits to prevent the creation of dust,
12. Continual on site monitoring carried out by the person in charge to ensure the aforementioned mitigating action is adhered to.

By using the dust mitigation measure above, the potential for dust emissions to arise shall be significantly reduced.

In the event of an incident / complaint, the following procedure will be adopted:

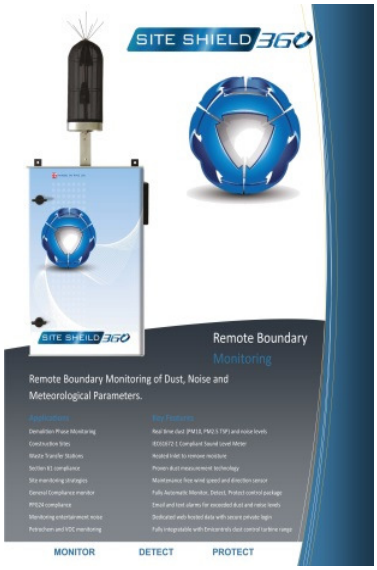
- Take action to stop the incident (e.g. stop works);
- Mitigate and control any obvious effects (e.g. control dust with sprays, clean up any offsite
- dust deposition);
- Report incident immediately to site management team and Environmental Manager;
- Environmental Manager to record in the site log book.
- The Environmental Manager will undertake an investigation and identify why measures were not effective in order to prevent future dust incidents. Any changes to procedure will be communicated to all on site.

The following **mitigation** measures will be implemented to reduce the amount of airbourne dust generated throughout the construction phase;

1. Adherence to our approved Section 61.
2. Compliance with the Considerate Contractors Scheme guidelines.
3. Dust suppression in the form of fine water sprayers (as per picture) or use of jet washers around the site.



4. Instigating a wheel wash facility to ensure onsite dust/dirt isn't taken into the public highways.
5. The use of road sweepers to visit the site when/if required to clean down haul roads located around the site.
6. Implementation of a site wide dust monitoring system. The automatic remote monitoring stations come complete with a wireless communication function which will transmit back to our main office.





Indicates minimum three number (total) remote monitoring stations

Indicates nominal ten number (total) manual monitoring stations

7. Ongoing visual assessments of dust release and air quality monitoring.
8. Adherence to our own Group Sustainability policies and commitments.