Appendix to CMP Question 10 – Dust mitigation measures

56 Hawtrey Road, London NW3 3SS
Application reference 2016/0833 29.02.16

Applicants must complete the table below (extracted from the Mayors 'control of dust and emissions during construction and demolition' SPG).

Applicants should include all 'highly recommended measures' as a minimum.

XX Highly Recommended
X Desirable

MEASURES RELEVANT FOR DEMOLITION, EARTHWORKS, CONSTRUCTION AND TRACKOUT

	CIRCLE RISK LEVEL IDENTIFIED FOR SITE			TICK TO CONFIRM MITIGATION MEASURE WILL BE IMPLEMENTED
MITIGATION MEASURE	**LOW RISK**	**MEDIUM RISK**	**HIGH RISK**	
Site management				
Develop and implement a stakeholder communications plan that includes community engagement before work commences on site.		XX	XX	not applicable
Develop a Dust Management Plan.		XX	XX	not applicable
Display the name and contact details of person(s) accountable for air quality pollutant emissions and dust issues on the site boundary.	XX	XX	XX	yes
Display the head or regional office contact information.	XX	XX	XX	yes
Record and respond to all dust and air quality pollutant emissions complaints.	XX	XX	XX	yes
Make a complaints log available to the local authority when asked.	XX	XX	XX	yes
Carry out regular site inspections to monitor compliance with air quality and dust control procedures, record inspection results, and make an inspection log available to the local authority when asked.	XX	XX	XX	yes

Increase the frequency of site inspections by those accountable for dust and air quality pollutant emissions issues when activities with a high potential to produce dust and emissions and dust are being carried out, and during prolonged dry or windy conditions.	XX	XX	XX	yes
Record any exceptional incidents that cause dust and air quality pollutant emissions, either on or off the site, and the action taken to resolve the situation is recorded in the log book.	XX	XX	XX	yes
Hold regular liaison meetings with other high risk construction sites within 500m of the site boundary, to ensure plans are co-ordinated and dust and particulate matter emissions are minimised.			XX	not applicable
Preparing and maintaining the site				
Plan site layout: machinery and dust causing activities should be located away from receptors.	XX	XX	XX	yes
Erect solid screens or barriers around dust activities or the site boundary that are, at least, as high as any stockpiles on site.	XX	XX	XX	yes
Fully enclose site or specific operations where there is a high potential for dust production and the site is active for an extensive period.	X	XX	XX	yes
Install green walls, screens or other green infrastructure to minimise the impact of dust and pollution.		X	X	not applicable
Avoid site runoff of water or mud.	XX	XX	XX	yes
Keep site fencing, barriers and scaffolding clean using wet methods.	X	XX	XX	yes
Remove materials from site as soon as possible.	X	XX	XX	yes
Cover, seed or fence stockpiles to prevent wind whipping.		XX	XX	not applicable
Carry out regular dust soiling checks of buildings within 100m of site boundary and cleaning to be provided if necessary.		X	XX	not applicable

Provide showers and ensure a change of shoes and clothes are required before going off-site to reduce transport of dust.			X	not applicable
Agree monitoring locations with the Local Authority.		X	XX	not applicable
Where possible, commence baseline monitoring at least three months before phase begins.		X	XX	not applicable
Put in place real-time dust and air quality pollutant monitors across the site and ensure they are checked regularly.		X	XX	not applicable
Operations				
Only use cutting, grinding or 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.	XX	XX	XX	yes
Ensure an adequate water supply on the site for effective dust/particulate matter mitigation (using recycled water where possible).	XX	XX	XX	yes
Use enclosed chutes, conveyors and covered skips.	XX	XX	XX	yes
Minimise drop heights from conveyors, loading shovels, hoppers and other loading or handling equipment and use fine water sprays on such equipment wherever appropriate.	XX	XX	XX	yes
Ensure equipment is readily available on site to clean any dry spillages, and clean up spillages as soon as reasonably practicable after the event using wet cleaning methods.		XX	XX	yes
Waste management				
Reuse and recycle waste to reduce dust from waste materials	XX	XX	XX	yes
Avoid bonfires and burning of waste materials.	XX	XX	XX	yes

MEASURES SPECIFIC TO DEMOLITION

MITIGATION MEASURE	LOW RISK	MEDIUM RISK	HIGH RISK	TICK BELOW WHERE MITIGATION MEASURE WILL BE IMPLEMENTED
Soft strip inside buildings before demolition (retaining walls and windows in the rest of the building where possible, to provide a screen against dust).	X	X	XX	not applicable
Ensure water suppression is used during demolition operations.	XX	XX	XX	not applicable
Avoid explosive blasting, using appropriate manual or mechanical alternatives.	XX	XX	XX	not applicable
Bag and remove any biological debris or damp down such material before demolition.	XX	XX	XX	not applicable

MEASURES SPECIFIC TO EARTHWORKS

MITIGATION MEASURE	LOW RISK	MEDIUM RISK	HIGH RISK	TICK BELOW WHERE MITIGATION MEASURE WILL BE IMPLEMENTED
Re-vegetate earthworks and exposed areas/soil stockpiles to stabilise surfaces.		X	XX	not applicable
Use Hessian, mulches or trackifiers where it is not possible to re-vegetate or cover with topsoil.		X	XX	not applicable
Only remove secure covers in small areas during work and not all at once.		X	XX	not applicable

MEASURES SPECIFIC TO CONSTRUCTION

MITIGATION MEASURE	LOW RISK	MEDIUM RISK	HIGH RISK	TICK BELOW WHERE MITIGATION MEASURE WILL BE IMPLEMENTED
Avoid scabbling (roughening of concrete surfaces) if possible	X	X	XX	not applicable
Ensure sand and other aggregates are stored in bunded areas and are not allowed to dry out, unless this is required for a particular process, in which case ensure that appropriate additional control measures are in place	X	X X	XX	not applicable
Ensure bulk cement and other fine powder materials are delivered in enclosed tankers and stored in silos with suitable emission control systems to prevent escape of material and overfilling during delivery.		X	XX	not applicable
For smaller supplies of fine powder materials ensure bags are sealed after use and stored appropriately to prevent dust.		X	X	not applicable

MEASURES SPECIFIC TO TRACKOUT

MITIGATION MEASURE	LOW RISK	MEDIUM RISK	HIGH RISK	TICK BELOW WHERE MITIGATION MEASURE WILL BE IMPLEMENTED
Regularly use a water-assisted dust sweeper on the access and local roads, as necessary, to remove any material tracked out of the site.	X	XX	XX	yes
Ensure vehicles entering and leaving sites are securely covered to prevent escape of materials during transport.	X	XX	XX	yes
Record all inspections of haul routes and any subsequent action in a site log book.		XX	XX	not applicable

Install hard surfaced haul routes, which are regularly damped down with fixed or mobile sprinkler systems and regularly cleaned.		XX	XX	not applicable
Inspect haul routes for integrity and instigate necessary repairs to the surface as soon as reasonably practicable;		XX	XX	not applicable
Implement a wheel washing system (with rumble grids to dislodge accumulated dust and mud prior to leaving the site where reasonably practicable).	X	XX	XX	yes, if applicable
Ensure there is an adequate area of hard surfaced road between the wheel wash facility and the site exit, wherever site size and layout permits.		XX	XX	not applicable
Access gates to be located at least 10m from receptors where possible.		XX	XX	not applicable
Apply dust suppressants to locations where a large volume of vehicles enter and exit the construction site		X	XX	not applicable