

DUST CONTROL

CONTROL OF DUST ON SITE

At Metro Deconstruction Services Ltd we understand our responsibilities to our workers, visitors and the environment regarding dust.

Exposure to dust and fumes should be prevented where practicable, and must at least be controlled. Breathing in dust and fumes can have both acute and chronic effects, and can cause long-term health problems.

Dust may present itself as a hazard during demolition works. Dust emissions will be controlled at the working face and loading away area by water dust suppression techniques. The quantity of water emitted by the techniques will be regulated and controlled to prevent any flooding.

To reduce the risk of dust fallout from our works, various dust suppression techniques will be adopted throughout the works as required, the necessary dust suppression techniques will be determined by the Site Manager and task specific methodology.

Generally, It is not envisaged that the demolition of the structure will be of particular risk of creating high dust levels. However, to reduce the risk of dust fallout from the works, various dust suppression techniques will be adopted throughout the works as required.

Techniques for reducing dust emissions will include, but not limited to;

- 2.4-meter-high timber hoarding installed to the agreed boundaries of the site to act as a screen of noise. Where agreed levels are exceeded, sound absorbing matting can be installed along the inside of the hoarding.
- Existing water supply on site utilised in conjunction with high pressure jetters and/or fire hoses to direct the water at the source of any demolition activities.
- Dust control systems such as 'Dust Buster' (as shown in image below) installed to direct a fine mist at the source of any machine demolition to concrete/brick structures.
- No explosive blasting.
- No burning of waste materials on site.
- Ensure disposal of run-off water from dust suppression activities and cleaning is in accordance with the appropriate legal requirements.
- Reduced movement / no unnecessary movement of materials that can create dust to avoid being whipped up into the air, becoming airborne.
- Periodic dampening down of any stockpiles of materials to avoid dust being whipped up into the air, becoming airborne.
- All dust control equipment is maintained in good condition and record maintenance activities.
- All vehicles carrying loose or potentially dusty material to or from the site are fully sheeted.
- Provide clean hard standing for vehicles and clean using wet sweeping methods.
- Provide the use of wheel-wash facilities near the site exit. Monitor for track-out of mud and detritus.
- Routinely clean the public highways and accesses using wet sweeping methods especially during dry periods;
- Store materials with the potential to produce dust away from site boundaries.
- Sheet, seal or damp down stockpiles of excavated material held on site.
- Avoid double handling or material wherever reasonably practicable.
- Sheet or otherwise enclose loaded bins and skips for removal.

DUST CONTROL

- Minimise drop heights whilst loading/unloading of material.
- Any loose materials brought onto the site shall be protected by appropriate covering
- Site personnel shall be trained in dust mitigation and a manager shall be present for managing dust on site.
- All vehicles and machinery to be well maintained and serviced. Regular inspections carried out.
- Record any exceptional incidents causing dust episodes on or off the site and the action taken to resolve the situation.
- Ensure live drains (storm/foul or combined) are sealed with 1000-gauge plastic and building sand to prevent entry into the sewage system.



Environmental Monitoring

Where required, dust monitoring equipment will be installed, as detailed within section 5.8.6. of the Demolition Phase Health & Safety Plan.

This will, at minimum, comprise the continuous monitoring of particulates (PM10 and Total Suspended Particulates (TSP)).

Throughout the works, the Site Manager will be able to continually monitor the dust output levels. If acceptable levels are exceeded, works will be stopped at a safe interval and the methodology reviewed along with additional dust suppression measures adopted where considered necessary.

Monitoring Trigger Levels & Actions

	Levels	Site Actions
GREEN	Working under limits set	Continue with works
AMBER	getting close to limits set (still within safe levels)	Continue with works but review method to see if working method can be changed to bring levels back to green.
RED	Over limits set	STOP WORKS Review working method, change method, recommence work using the agreed revised working method and continue to monitor results ensure levels are back down to safe, amber or green.