

NOISE CONTROL

CONTROL OF NOISE ON SITE

At Metro Deconstruction Services Ltd we understand our responsibilities to our workers, visitors and the surrounding properties/neighbours regarding noise.

Unfortunately, with any demolition works, there will be periods of time when noise will be produced.

Where required, protective scaffolding will be erected to the externals of the buildings with 2.4-meter-high timber hoarding installed to the agreed boundaries of the site.

Works shall be carried out in accordance with the requirements of the Control of Pollution Act 1974 and BS 5228: 2014: Code of Practice for Noise Control on Construction and Demolition sites.

Many of the activities which generate noise can be mitigated to some degree by careful operation of machinery and use of tools. This will be addressed by toolbox talks and site inductions given by the Site Manager.

Techniques for reducing noise will include, but not limited to:

- Delivery vehicles and mechanical plant will be maintained in a good and effective working order and operated in a manner to minimise noise emissions. All plant complying with the relevant statutory requirements.
- Compressor, generator and engine compartment doors will be kept closed and plant turned off when not in use.
- Metro will use mechanical pulverising equipment where possible to reduce the use of noisier mechanical breakers. Where they would have to be used, these can be restricted to an agreed 2 hour on/off schedule of works.
- Care will be taken when unloading vehicles to avoid unnecessary noise.
- Drop heights will be minimised when loading vehicles.
- Vehicles will be required to switch off engines when waiting to be loaded.
- 2.4-meter-high timber hoarding will be installed to the agreed boundaries of the site to act as a screen of noise. Where agreed levels are exceeded, sound absorbing matting will be installed along the inside of the hoarding and silencing devices an option.

Environmental Monitoring

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

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

Where agreed levels are exceeded, an option would be sound absorbing matting installed along the inside of the hoarding and silencing devices an option.

Noise monitors will conform to a minimum Class 2 integrating sound level meter that simultaneously records LAeq, Lmax, L90 and L10 noise levels.

NOISE CONTROL

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.

Noise Limits & Restrictions

It is proposed that the following restrictions will apply for all activities beyond the boundary of the site as defined by any further agreements / LA requirements:

LAeq Day	Time Period	Noise Levels					
		1m from dwelling or other residential property		1m from school or other teaching facility		1m from building used for Office purposes	
		Period	LAeq	Period	LAeq	Period	LAeq
Mon - Fri	08:00-18:00	10 hours	75	1 hour	65	10 hours	75
				1 min	70		
Sat	0800-1300	5 hours	75	1 hour	65	5 hours	75
				1min	70		

Where plant and/or equipment are used continuously and cannot remain below the noise limits even with mitigation measures and best practicable means employed, then it may be necessary to employ a staggered approach to any high risk works to ensure that the mean average levels over a 10-hour period do not exceed acceptable limits.

Any requirement for staggered working hours will be agreed via consultation with the project team and Local Authority.

'Standard' hours permitted for noisy work will normally be the following;

08:00 – 18:00 hours (Monday to Friday)

08:00 – 13:00 hours (Saturday)

No noisy working is permitted on Sundays, Bank or Public Holidays.

Reduced Impact Hours

It may also be necessary to apply time restrictions on noisy works to reduce noise disturbance to businesses. These times are known as 'reduced impact hours' which are typically as follows;

10:00 – 12:00 hours (Monday to Friday)

14:00 – 16:00 hours (Monday to Friday)

NOISE CONTROL

'reduced impact hours' are put in place to give nearby commercial occupiers at least 4 hours without noisy working from street and construction sites during the working day. These periods may be subject to variation in particular circumstances, for example during lunchtimes, adjacent to eating places or businesses where the majority of trade is carried out at lunchtimes.

Work outside standard hours and during reduced impact hours

Outside 'standard hours' and during 'reduced impact hours' the following noise generating activities will not usually be permitted where the activities are likely to cause disturbance.

- Cutting using power tools
- Breaking out using power tools
- The use of impact fasteners
- The loading of heaving materials