

Construction Noise & Vibration Management Plan
DECC, Interim Construction Noise Guideline, 2012

Section 1.1
Does the guideline apply to the construction project? Yes Are noise abatement measures feasible and reasonable? Yes
Occupational noise exposure: - Construction activity noise
Noise from power tools & equipment used on residential premises: -Hand tools including drills, saws, and nail guns. Excavation to be undertaken by a small excavating machine, such as a BoNCCt
Noise from public roads & construction traffic on public roads: -Delivery vehicles and builders vehicles
Noise from industrial sources (for example factories, quarrying, mining and including construction associated with quarrying and mining): -NA
Vibration from construction works: -Minimal vibration generating activities proposed

Section 2.1
Who may be affected by noise for the construction works?
Is it adjacent to a sensitive land use:
-residences; classrooms; hospitals; places of worship; passive recreation areas such as outdoor grounds used for teaching; active recreation areas; commercial premises, such as film and television studios, research facilities, entertainment spaces, temporary accommodation (such as caravan parks and camping grounds), child care centres, restaurants, office premises and retail spaces; industrial premises:
Adjoining sites include the following sensitive uses: residences
How loud, how long will noise be an issue, hours of noise generation: Noise during construction periods, as noted in Section 2.2

Section 2.2
What are the suitable times for construction? Normal construction: Monday to Friday 7:00am to 5:00pm; Saturday 7:00am to 5:00pm; No work on Sundays or Public Holidays. condition 18.

Sections 3 & 4
How is a major construction project near residences or other sensitive land uses assessed?
How loud will it be: minor construction project, acceptable levels of construction noise
How long will the works go on for: -construction should be commenced and completed within a eight month period
Will there be night work, if so how long will it go on and how loud: -no night work is proposed

Airborne noise\_residences: Monday to Friday 7:00am to 5:00pm; Saturday 7:00am to 5:00pm; No work on Sundays or Public Holidays; - not to exceed Noise affected RBL + 10dB.

Predicted noise levels (relevant):
- all noise sources including equipment and vehicles; - hand tools, delivery vehicles, cement mixers, excavation vehicles; - location and height of noise sources;
- ground level and roof construction; - proposed movement alarms on plant and vehicles; - normal alarms, excavation to be approximately one day;
- number and timing of blasts per day and week; - alternative work methods, noise mitigation; - equipment plant noise levels; - within dB & dB(A) guidelines in this report;
- all stages of the construction works; - excavator with movement alarm for a day; - normal use of small scale equipment throughout; - all residences and other sensitive land uses;
- there will be noise generated by the proposed construction; - site features including topography, buildings and surrounding land uses; - proposed construction hours;
- equipment operating times; - within normal construction times; - other concurrent nearby construction.

Sections 3 & 5
How are short term works assessed?
How loud will it be: -within dB & dB(A) guidelines in this report
How long will the works go on for: -approximately eight months, varying periods of noise intensity
Will there be night work, if so how long will it go on and how loud: -no proposed night work

Community notification: -Contact potentially affected neighbours prior to commencement; -inform neighbours of the nature of construction noise; -describe noise controls; -update neighbours throughout on progress; -ask for their concerns and discuss possible alternatives;
-copy of this document to be kept on-site

Operate plant in a quiet and efficient manner:
- where practical, undertake noisiest works during recommended hours; - turnoff plant when not in use; - where feasible and reasonable implement noise reduction practices;
- where feasible and reasonable implement noise shielded equipment; - ensure regular maintenance of noise generating plant; - ensure road plates are properly installed and maintained;
- arrange the work site to minimise the use of movement alarms on vehicles and mobile plant; - avoid dropping materials from a height, dropping or dragging road plates;
- talk to workers about how to reduce possible noise; - use radios and stereos indoors rather than outdoors.

Handle complaints:
- staff who handle complaints to be kept up to date with upcoming works and relevant contacts; - handle complaints in a prompt and responsive manner;
- where complaints are from an identified work activity, review and implement, where feasible and reasonable additional noise reduction strategies

Section 6
What are the options for work practices to reduce noise impacts?
Identify Work practices likely to be major contributors to noise: -excavation of footings and service trenching; -cutting of bricks and tiles; -cement mixers; -hand tools, including nail guns; -delivery vehicles

What are feasible and reasonable work practices relevant to the project? -Universal work practices

Universal work practices:
-train workers and contractors to use equipment in ways to minimise noise; -Site managers to monitor and check for noise issues;
-limit demolition to 9am to 12pm & 2pm to 5pm Monday to Friday; -select low noise equipment for leveling; -arrange work site to allow for forward movement of vehicles on-site;
-include a copy of this plan with tenders; -avoid overuse of public address system; -minimise use of stereos; -avoid shouting, talking loudly and slamming vehicle doors
keep truck drivers informed of designated routes and acceptable times of delivery; -pin a one page summary to a site notice board

Section 6 (feasible & reasonable)
How much noise control would be expected? Reasonable levels of construction noise proposed within dB & dB(A) guidelines in this report

Table 5 (consultation & notification), and Section 7.2.2 (community engagement)
How do we work with the community?

Notification before and during construction: -inform affected neighbours prior to commencement with a letter drop; -site information board to include liaison officers name and phone number

Table 5 (consultation & notification), and Section 7.2.2 (negotiated engagement)
How do we address complaints?

Complaints handling:
- give all complaints a fair hearing; - respond in a timely manner; - implement measure where feasible and reasonable keep a register of complaints and responses

Section 5.1- smaller projects
How do we protect the community through consents and licences? Compliance with commitments monitored by Construction Certifier

Section 8
How do we evaluate compliance? Provide a Noise Monitoring report if requested by the Construction Certifier

Table with 4 columns: date, rev, amendments, no., drawing name, rev. Row 1: 28/4/22, A, for construction certificate, kt.23, construction noise & vibration management plan\_\_5 Railway Street, Hurlstone Park NSW 2193 211210, A. Includes karmatecture logo and contact info.