

# The Proposed Auckland Unitary Plan (notified 30 September 2013)

## 1.7 Quarry Transport Route

### 1. Notification

1. Activities will be considered without the need for public or limited notification, however limited notification may be undertaken, including notice being given to the relevant quarry operator.

### 2. Land use controls

#### 2.1 Noise

1. The following additional rules apply to any new or altered activities sensitive to noise located within the Quarry Transport Route overlay.
2. Any new noise sensitive land use and any new bedroom, sleeping area, habitable room or classroom added to an existing activities sensitive to noise within the Quarry Transport Route overlay must be designed and/or insulated, or screened by suitable barriers on the property so that the internal noise levels, measured in those rooms do not exceed:

Table 1:

Type of use	Maximum internal noise level
Bedrooms and sleeping areas	L <sub>Aeq</sub> (1 hour) 35dB at all times
Habitable rooms (except bedrooms and sleeping areas) and classrooms in an educational facility	L <sub>Aeq</sub> (1 hour) 40dB at all times

3. In determining compliance with clause 2.1 above traffic noise must be based on a one-hour measurement of the external sound level which is representative of peak vehicle movements at a position representative of the most exposed part of the building or room to be constructed.

#### 2.2 Ventilation

1. Where a new bedroom, sleeping area, habitable room or classroom is an addition to or alteration of an existing building and it increases the GFA of the building by no more than 10 per cent, those rooms must meet the ventilation requirements of the Building Code (G4) at the same time as they meet the controls in Table 1 if windows or doors to that room must be shut to meet the standards in Table 1.
2. Where a new building is constructed with rooms subject to clause 2.1.2 above or where a new room or rooms that are included in Table 1 are additions to or alterations of an existing building which increase the GFA of that building by more than 10 per cent and the noise levels in Table 1 are only met when doors or windows to those rooms are shut, the rooms must be provided with:
  - a. a mechanical kitchen extractor fan capable of extracting 50 litres of air per second ducted directly to the outside to serve any cooking hob` and if necessary a toilet extract fan capable of extracting 25 litres of air per second to the outside air, and
  - b. a mechanical ventilation system or systems capable of:
    - i. providing at least six air changes of outdoor air per hour in all sleeping areas and habitable rooms and four air changes of outdoor air per hour in all classrooms
    - ii. enabling the rate of airflow to be controlled across the range, by increments of approximately 0.15m/s from a minimum of 0.5 air changes per hour up to the maximum airflow capacity
    - iii. operating at a noise level of no more than 35dB L<sub>Aeq</sub>(1 min) in bedrooms and sleeping areas and no more than 40dB L<sub>Aeq</sub>(1 min) in the other habitable rooms, hallways of dwellings and

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classrooms. Noise levels from the mechanical system(s) must be measured at least 1m away from any diffuser, or

- c. air conditioning plus mechanical outdoor air ventilation capable of:
  - i. providing internal temperatures in sleeping areas, habitable rooms and classrooms not greater than 25 degrees Celsius with all external doors and windows of those rooms closed
  - ii. providing six air changes of outdoor air per hour in all sleeping areas and habitable rooms and four air changes per hour in classrooms
  - iii. being individually switched on and off by the building occupants
  - iv. operating at a noise level of no more than 35dB LAeq(1 min) in bedrooms and sleeping areas and no more than 40dB LAeq(1min) in the other habitable rooms, classrooms and hallways of dwellings
  - v. Noise levels from the mechanical system(s) must be measured at least 1m away from any diffuser

### 3. Assessment - Land use control infringements

#### 3.1 Matters of discretion

In addition to the general matters of discretion in clause 2.3 of the general provisions, the council will restrict its discretion to the matters below for the listed development control infringement.

1. Noise and ventilation
  - a. the effects of the land transport noise on the activity
  - b. the potential reverse sensitivity effects of the infringement.

#### 3.2 Assessment criteria

In addition to the general assessment criteria in clause 2.3 of the general provisions, the council will consider the relevant criteria below for the listed development control infringement.

1. Noise and ventilation
  - a. The extent to which the type of activity proposed is likely to be adversely affected by the expected levels of transport noise.
  - b. The extent to which any characteristics of the proposed use or area make compliance with the standard unnecessary.
  - c. In the rural zones, whether the building and any outdoor living areas are appropriately located, and/or setback an appropriate distance from the road to minimise the potential for adverse effects from land transport noise

### 4. Special information requirements

1. In addition to the general information requirements in [section 2.7](#) of the general provisions, A report prepared by a suitably qualified and experienced person demonstrating compliance with clause 2.1 above must be provided to the council prior to the construction of any building or room subject to the rule.

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