

12 April 2018

Kelly Nicolson
Senior Policy Planner
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Waikato District Council
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Dear Kelly

DISTRICT PLAN NOISE RULES

As requested the following sets out the recommended noise controls for the Waikato Gun Club and the Acoustic Overlay Area in Horotiu.

Waikato Gun Club

The noise design is based on a CNR of 90 as measured outside being a reasonable level. It is general accepted there will be a 15dB reduction between the inside and outside of the building when windows are open sufficiently to provide for ventilation. On that basis the inside level is generally set a 15dB below that acceptable outside, which give in this case gives a CNR 75 as the indoor design level.

Horotiu Acoustic Amenity Overlay

For this area it is recommended the internal levels are as set out the original Table A, which has replaced the $L_{Aeq(24hr)}$ limit with $L_{Aeq(1hr)}$ modified along the lines given below.

Internal Design Sound Levels	
Type of occupancy/activity	Internal Design Sound Level dB $L_{Aeq(1hr)}$
Residential Activity buildings: - bedrooms - other habitable rooms	35 40
Travellers accommodation/ Home occupation / Home-stays and Papakainga housing: - bedrooms	35
Educational buildings (teaching spaces)	35
Hospitals - wards - all other noise sensitive areas	35 40

You may want to drop out some of the categories in the table they are as probably not relevant for the Horotiu area, but I will leave this up to you.

Should you have any questions regarding the above please do not hesitate to contact me.

Yours faithfully
Hegley Acoustic Consultants

A handwritten signature in blue ink, appearing to read 'Nevil Hegley', is written in a cursive style.

Nevil Hegley