

Marlborough District Council
PO Box 443
Blenheim 7240

6 December 2018

Attention: Marlborough Environment Plan Hearings Panel

By email: mep@marlborough.govt.nz

Dear panel members

**PROPOSED MARLBOROUGH ENVIRONMENT PLAN:
TOPIC 18 – NUISANCE EFFECTS AND TEMPORARY MILITARY TRAINING ACTIVITIES
ADDITIONAL INFORMATION REQUESTED BY THE PANEL**

Introduction

The New Zealand Defence Force (NZDF) recently appeared at the Proposed Marlborough Environment Plan (pMEP) hearing for Topic 18 – Nuisance effects and Temporary Military Training Activities (TMTA). During its appearance, the Panel requested information from NZDF regarding the proposed structure of the TMTA rule as proposed in evidence.

Also during the hearing appearance NZDF undertook to confirm if burning of unwanted ammunition was undertaken within the Marlborough District.

This letter provides NZDF's response to the Panel on these matters.

Temporary Military Training Activities

The Panel requested a track change version of the amended TMTA rule in the notified Marlborough Environment Plan, showing NZDF's requested changes to the rule as notified. This document is provided as Attachment 1 to this letter.

As shown in the track change version, the rule proposed by NZDF is similar to the notified version of the rule in terms of the maximum duration of a TMTA and the provision for permanent structures. It only differs insofar as:

- i. The maximum duration limit of 31 days is supported but NZDF has requested an allowance for set-up and pack-out activities of 7 days respectively either side of this 31 day duration; and
- ii. The limitation on permanent structures is retained, but with an allowance for structures that would otherwise be permitted activities in the pMEP.

In terms of noise limits, as can be seen from the track change version attached, the bespoke set of noise standards proposed by NZDF are typically at least as restrictive as those in the pMEP, and in the case of weapons firing and/or the use of explosives, set a lower limit than currently proposed, being 95 dBC (daytime) and 85dBC (night time)

compared to 122 dBC in the pMEP. Further, the setback distances proposed in NZDF's standards have been determined using data specific to weapons firing and explosives. These setback distances have been demonstrated to meet the daytime and night time limits with a factor of safety, and based on the worst case scenario for sound propagation i.e. the setback distances are very conservative.

Discharge of contaminants to air

On review of the activities already provided for under rule 23.1.20 and standard 23.3.7, NZDF no longer intends to pursue its submission point requesting the addition of a clause to provide for the disposal of unwanted public and military ammunition and pyrotechnics by NZDF. NZDF does not generally dispose of unwanted ammunition at Woodbourne.

Summary

NZDF trusts this response satisfies the Panel's questions in relation to NZDF's requested amendments to the permitted activity rule for TMTA, and burning of unwanted ammunition. However, should the Panel have further queries, NZDF would be pleased to assist. Please contact the undersigned at Rebecca.Davies@nzdf.mil.nz or 021 445 482.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Rebecca Davies', written in a cursive style.

Rebecca Davies

Senior Environmental Officer
Defence Estate and Infrastructure

**Attachment 1: Temporary Military Training Activities Permitted Activity
Rule: track change version**

ATTACHMENT 1: Proposed MEP Rule for Temporary Military Training Activities

Note: NZDF's requested amendments shown as track changes to the notified rule (deletions shown as struck-through, additions shown in underlined text).

Temporary Military Training Activity

Other General Rules contained in Chapter 2 may apply in addition to any relevant zone rules.

2.41. Permitted Activities

Unless expressly limited elsewhere by rule a in the Marlborough Environment Plan (the Plan), the following activities shall be permitted without resource consent where they comply with the applicable standards in 2.42:

2.41.1. Temporary military training activity.

2.42. Standards that apply to specific permitted activities

2.42.1. Temporary military training activity.

2.42.1.1. The activity must be limited to a period not exceeding 31 days, excluding up to 7 days for set-up and up to 7 days for pack-out activities.

2.42.1.2. Permanent structures must not be constructed unless they are otherwise provided for elsewhere in this plan as a permitted activity.

2.42.1.3. ~~Noise levels of a short duration generated as part of a temporary military training activity must not exceed the following:~~

~~(a) Noise levels measured from a line 20m from, and parallel to, the nominal boundary of any dwelling or the legal boundary where this is closer to the dwelling must not exceed the following limits:~~

Time	Limits (DBA)		
Any Day	L10	L95	LMAX
6:30 am – 7:30 am	60	45	70
7:30 am – 6:00 pm	75	60	90
6:00 pm – 8:00 pm	70	55	85
8:00 pm – 6:30 am	55		

2.42.1.3. Weapons firing and/or the use of explosives:

a. Notice is provided to the Council at least 5 working days prior to the commencement of the activity.

b. The activity complies with the following minimum separation distances to the notional boundary of any building housing a noise sensitive activity:

0700 to 1900 hours: 500m

1900 to 0700 hours: 1,250m

c. Where the minimum separation distances specified above are not met, then the activity shall comply with the following peak sound pressure level when measured at the notional boundary of any building housing a noise sensitive activity:

0700 to 1900 hours: 95 dBC

1900 to 0700 hours: 85 dBC

~~2.42.1.4. Impulse noise resulting from the use of explosives, explosives simulators small arms must not exceed 122dBC.~~

2.42.1.4 Mobile noise sources shall comply with the limits set out in Tables 2 and 3 of NZS6803:1999 Acoustics – Construction Noise, with reference to ‘construction noise’ taken to refer to mobile noise sources.

Note: Mobile noise sources (other than firing of weapons and explosives) includes personnel, light and heavy vehicles, self-propelled equipment, earthmoving equipment.

2.42.1.5 Fixed (stationary) noise sources shall comply with the noise limits set out in the table below when measured at the notional boundary of any building housing a noise sensitive activity.

<u>Time (Monday to Sunday)</u>	<u>LAeq (15 min)</u>	<u>LAFmax</u>
<u>0700 to 1900 hours</u>	<u>55 dB</u>	<u>n.a.</u>
<u>1900 to 2200 hours</u>	<u>50 dB</u>	
<u>2200 to 0700 hours the next day</u>	<u>45 dB</u>	<u>75 dB</u>

Note: Fixed (stationary) noise sources (other than firing of weapons and explosives) include power generation, heating, ventilation or air conditioning systems, or water or wastewater pumping/treatment systems.

2.42.1.6 Helicopter landings shall comply with NZS6807:1994 Noise Management and Land Use Planning for Helicopter Landing Areas.

Noise levels shall be measured in accordance with NZS6801:2008 Acoustics – Measurement of Sound.

2.42.1.7 Within the National Grid yard:

(a) Buildings, temporary structures and activities must meet the safe electrical clearance distances set out in the New Zealand Electrical Code of Practice (NZECP34:2001); and

(b) No explosives may be used.