



RANGE INSPECTION REPORT

SECTION 1 – RANGE DETAILS

Range Name: RNZPC Firearms Range (2) Memorial Block Indoor Range	Range Complex Name: RNZ Police College		
Range Controlling Authority: Training Commander RNZPC Manager Firearms Training Section, RNZPC.	Current Status: Closed Date of last certification review: May 2010 Safety Certificate expires: Unknown		
Brief Description of the Range: Indoor 20 metre "NDA" range comprising 6 firing lanes. The range is of timber, steel and concrete construction with a purpose built steel bullet catcher with a steel bullet deflector approx 1.5 metres in front of the bullet catcher. This range has a Concrete floor			
Map Sheet: BP32 2006	Grid Reference: E1756210 N54461495	Air Danger Area: Not applicable	Sea Danger Area: Not Applicable
Main Range Users: NZ Police – Firearms training for recruits, SSTT Regional Training and specialists groups.			

SECTION 2 – RANGE INSPECTION DETAILS

Type: Re-certification	Inspection Date: 14 January 2011
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SECTION 3 – RANGE INSPECTING OFFICER DETAILS

Name: Wally Cole	Organisation: Range Development Associates Ltd
Appointed by: Inspector Steve Bruce Manager Staff Safety Tactical Training	Telephone Number: 9(2)(a)



SECTION 4 – RANGE STANDING ORDERS

Administration:

Serial	Prompt	N/A	Y	N
(a)	(b)	(c)	(d)	(e)
1.	Have the range standing orders been reviewed and re-signed during the 12 months preceding the inspection?		Yes	
2.	Are range standing orders available to the AS (Activity Supervisor) on the range?		Yes	

Content:

Serial	Prompt – Do range standing orders clearly describe or state:	N/A	Y	N
(a)	(b)	(c)	(d)	(e)
1.	The name and location of the range?		Yes	
2.	The name and unit of the person responsible for the administration, allocation and maintenance of the range?		Yes	
3.	That firing is only to be conducted under the supervision of properly qualified or authorised AS, including range specific AS orientation training?		Yes	
4.	The weapon and ammunition limitations applicable to the range, including instruction for un-zeroed weapons and minimum group size capability?		Yes	
5.	That the AS is to read and understand the range standing orders before any firing practice?		Yes	
6.	The actions to be taken in the event of an accident, incident of emergency?		Yes	
7.	The medical cover and equipment to be provided?		Yes	
8.	The location of the nearest means of communication by which emergency services may be called?		Yes	
9.	The protective equipment requirements, including hearing protection and protection for personnel in the marker's gallery?	N/A		
10.	A copy of the range danger area showing existing artificial and natural features, which is appropriate for the authorised weapons and ammunition?	N/A		
11.	Air danger height information for the range including the contact details of the nearest air traffic control centre?	N/A		
12.	Minimum engagement distances when personnel are in the marker's gallery and when personnel are not in the marker's gallery?	N/A		
13.	Backsplash safety distances?	N/A		
14.	Instructions for detail management?		Yes	



SECTION 4 – RANGE STANDING ORDERS CON'T

(a)	(b)	(c)	(d)	(e)
15.	The procedure to ensure that, before firing begins, the range danger area is clear of personnel?	N/A		
16.	That, before firing begins, the RCO ensures that all sentries, barriers, warning flags and/or lights are in position?		Yes	
17.	The RCO's verbal pre-firing briefings to all range staff, firers, markers, sentries and other personnel involved in the conduct of the practice, on the intended practice and any relevant safety limitations?		Yes	
18.	The location(s) and duties of sentries?	N/A		
19.	The arrangements for observation of land sea and air danger areas during firing?	N/A		
20.	Control of all points of access to the range danger area?	N/A		
21.	Control of movement within the range boundary?	N/A		
22.	The procedures to be adopted at night and/or in poor visibility?		Yes	
23.	The means of communication between firing points, sentries, markers and any other personnel involved in the practice?	N/A		
24.	The types of firing activities that may be conducted?		Yes	
25.	The firing points and postures which may be used?		Yes	
26.	The types of target which may be used, including any relevant specifications, dimensions and positioning instructions (e.g. target display height and moving targets)?		Yes	
27.	The duties of all range staff, including pre and post-firing responsibilities?		Yes	
28.	The procedure for determining unacceptable lead contamination and the decontamination process?		Yes	
29.	The inspection and maintenance schedule?		Yes	
30.	The use of the range by other Services and non-NZ Police personnel?	N/A		
31.	A copy of the New Zealand Police approval for the firing of pistol by civilian personnel, if appropriate?	N/A		
32.	A copy of the current RDA - 08 – <i>Range Safety Certificate</i> ? Or a certificate issued by another approving authority.		To be issued	

Comment:

Range Standing orders have been re-written to reflect the requirements of using this range
 New Safety certificate to be issued on confirmation of Range Sanding Orders having been signed off.



SECTION 5 – RANGE CONSTRUCTION

Serial	Prompt	N/A	Y	N
(a)	(b)	(c)	(d)	(e)
1.	Does the overall design of the range conform to currently approved criteria?		Yes	
2.	Are all access points to the range danger area adequately guarded by warning/danger flags/lights and/or signs, sentries, or lockable barriers or gates?	N/A		
3.	Has fencing been provided, where required, and does it meet the required standard for its intended purpose?	N/A		
4.	Are all warning/danger flags/lights and/or signs, sentry positions, and lockable barriers or gates correctly positioned?		Yes	
5.	Where warning/danger signs refer to warning/danger flags/lights, can they be seen from the location of the sign?	N/A		
6.	Are all manned positions within the range danger area adequately protected?	N/A		
7.	Are all ricochet or backslash inducing surfaces constructed from approved material or adequately defended with baffles or cladding of an approved design?		Yes	
8.	Are all lanes parallel to the range axis?		Yes	
9.	Is the stop butt/bullet catcher set at right angles to the range axis?		Yes	
10.	Does the stop butt/bullet catcher conform to an approved design?		Yes	
11.	Does the stop butt/bullet catcher capture the anticipated cone of fire?		Yes	
12.	Is the stop butt/bullet catcher constructed from the correct material and laid to the correct profile and depth?	N/A		
13.	Does the mantlet conform to an approved design?	N/A		
14.	Is the mantlet crest at the correct height?	N/A		
15.	Is the mantlet constructed from the correct material and laid to the correct profile and depth?	N/A		
16.	Do the targets and target mechanisms conform to an approved design?		Yes	
17.	Are target centres correctly positioned?		Yes	
18.	Do the firing points conform to an approved design?		Yes	
19.	Are all firing points and targets sited so as to eliminate backslash hazards?		Yes	
20.	Are all firing points clearly marked with the firing distance?		Yes	

**SECTION 5 – RANGE CONSTRUCTION CON'T**

21.	Are firing lanes adequately identified?		Yes	
22.	Does the range floor conform to an approved design?		Yes	
23.	Is the range floor constructed from the correct material and laid to the correct profile?		Yes	
24.	Do the overhead baffle conformed to an approved design?		Yes	
25.	Are the overhead baffles constructed from the correct material and constructed to capture the cone of fire within limitations?		Yes	
26.	Does the ground baffle conform to an approved design?	N/A		
27.	Is the ground baffle constructed from the correct material and laid to the correct profile and depth?	N/A		
28.	Where timber cladding is fitted to areas which may receive frequent strike, can it be easily removed for inspection?	N/A		
29.	Is the range free from bullet strikes and other weapon effects in areas where such strike and effects is not expected?			No
30.	Are the range and any ancillary structures free from excessive damage?		Yes	
31.				

Comments

This is an old range that has seen considerable use over many years. There is damage to side walls which I have been advised will be repaired this year. The damage does not prevent the safe use of the range, but it does indicate an inability for shooters to keep shots within the cone of fire. More a training issue than a safety issue.

Considerable work has been done to bring this range up to point where it meet minimum standards.



SECTION 6 – RANGE MAINTENANCE

Range Components:

Serial	Prompt – Are the following range components being maintained to a serviceable standard:	N/A	Y	N
(a)	(b)	(c)	(d)	(e)
1.	Gates and/or barriers?		Yes	
2.	Fencing?	N/A		
3.	Alarms Systems?		Yes	
4.	Signs and warning notices?		Yes	
5.	Communication systems?	N/A		
6.	Lights?		Yes	
7.	Warning/danger signs?		Yes	
8.	Flags and flagpoles?	N/A		
9.	Stop Butt?		Yes	
10.	Mantlet?	N/A		
11.	Target frames/mechanisms?		Yes	
12.	Firing points/positions?		Yes	
13.	Firing trenches/leaning posts?	N/A		
14.	Firing lane markers?		Yes	
15.	Baffles and cladding?		Yes	

Comments:

The range maintenance should be logged to ensure that damage is repaired regularly.



General:

Serial	Prompt	N/A	Y	N
(a)	(b)	(c)	(d)	(e)
1.	Is the range floor free from ricochet inducing material?			No
2.	Is the range clear of intrusive vegetation?	N/A		
3.	Does the general appearance of the range indicate that an adequate inspection and maintenance regime is being followed?			No
4.	Are copies of current Range Safety & Clearance certificates being completed and available for review?			No
5.	Are copies of the Monthly Inspection reports being completed and available for review			No
6.	Is a log for recording location of shots outside the Coff being completed and is it available for review			No

Comment:

- No evidence at the range of any inspection or maintenance regime in place.
- No evidence at the range of any Range Safety or clearance certificates being completed.
- No evidence at the range of any monthly inspection reports being completed.
- No evidence at the range of a log for recording shots outside the Coff.

It is important for ongoing range safety that all of the above are reported on and reviewed to ensure ongoing an commitment to range safety for both users and instructors.

**SECTION 7 – RANGE INSPECTING OFFICER’S COMMENTS AND RECOMMENDATIONS****Range Standing Orders Comments and Recommendations:**

- Range Standing Orders have been re-written and provide a clearer picture of the requirements to manage the use of this range.

Range Construction Comment and Recommendations:

There is an urgent need to look at options to improve ballistic safety for this range.

- The work needed to be carried out to bring this range up to a level where it complies with current minimum standard has been completed.
- Staff I have worked with have shown a willingness to ensure that the range is brought back to a level it meets minimum standards.

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**Range Maintenance Comments and Recommendations:**

Considerable maintenance has been carried on this range and I have been advised that repairs to the side walls where there has been considerable bullet strike will be undertaken this year.

Range Safety Concerns:

The overall standard of this range now meets current minimum standards for an indoor range of this type.

Bullet strikes on walls, target holders and the ceiling have either been repaired or programmed for repair.

Every effort must be made to ensure range users are able to maintain shots within the Cone of Fire (CofF) and training given to those who cannot do this. Shots outside the CofF are likely to strike either floor or deflector plates attached to the ceiling and with continued strikes without repair could reduce the level of safety. The log for recording shot strike outside the CofF must be maintained as it will provide support for maintenance.

Tighter restrictions have been placed on both firearms and ammunition due to the tight confines of the range.

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**SECTION 8 – RANGE SAFETY DECLARATION**

1. I certify that I inspected the above range on 14th January 2011 and found the range to be in the state described above.
2. I also certify that I understand the regulations for range safety as laid down in:
 - a. Pistol NZ Range development & Construction Guidelines
 - b. JSP 403 – Handbook of Defence Land Range Safety, Volume II
3. The range is:
 - a. Safe
 - ~~b. Temporarily Unsafe~~
 - ~~c. Unsafe~~

(Signature) *Wally Cole*

(Name) W Cole

(Date) 14th January 2011.

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