Appendix 3B

New issue announcement, application for quotation of additional securities and agreement

Information or documents not available now must be given to ASX as soon as available. Information and documents given to ASX become ASX's property and may be made public.

Introduced 01/07/96 Origin: Appendix 5 Amended 01/07/98, 01/09/99, 01/07/00, 30/09/01, 11/03/02, 01/01/03, 24/10/05, 01/08/12, 04/03/13

	N	lame	of	ent	ity
--	---	------	----	-----	-----

Rimfire Pacific Mining NL (Company)

ABN

59 006 911 744

We (the entity) give ASX the following information.

Part 1 - All issues

You must complete the relevant sections (attach sheets if there is not enough space).

+Class of +securities issued or to be issued

Fully paid ordinary shares (Shares) Options (Options)

Number of *securities issued or to be issued (if known) or maximum number which may be issued

235,869,389 Shares 235,869,389 Options

Principal terms of the *securities (e.g. if options, exercise price and expiry date; if partly paid *securities, the amount outstanding and due dates for payment; if *convertible securities, the conversion price and dates for conversion)

RIM will issue up to 235,869,389 Shares and 235,869,389 options, under a pro-rata non-renounceable entitlement issue on a 1 for 4 basis, with 1 free attaching option for every 1 new share subscribed for and issued exercisable at \$0.022 (2.2 cents) on or before 1 May 2020, as announced to ASX on 4 October 2018 (**Rights Issue**). The exact number of shares to be issued under the Rights Issue is not known at the date of this Appendix 3B as it will depend on whether or not any of the existing unquoted optionholders exercise their options prior to the record date and is subject to reconciliation of shareholder entitlements and rounding.

Do the +securities rank equally in all Shares - Yes 4 respects from the +issue date with an existing *class of quoted *securities? Options - No. However fully paid ordinary shares issued pursuant to conversion of options will rank If the additional +securities do not in all respects pari passu with existing shares at rank equally, please state: the date of issue. the date from which they do extent which to they participate for the next dividend, (in the case of a trust, distribution) or interest payment the extent to which they do not rank equally, other than in relation to the next dividend, distribution or interest payment Shares – 0.9 cents. Issue price or consideration 5 Options – Nil, however the Option exercise price is 2.2 cents per Option 6 Purpose of the issue As set out in the Prospectus lodged with ASX on (If issued as consideration for the 4 October 2018 acquisition of assets, clearly identify those assets) Is the entity an +eligible entity that 6a Yes has obtained security holder approval under rule 7.1A? If Yes, complete sections 6b - 6h in relation to the +securities the subject of this Appendix 3B, and comply with section 6i 6b 24 November 2017 The date the security holder resolution under rule 7.1A was passed Number of *securities issued without | N/A 6c security holder approval under rule 7.1 Number of *securities issued with 6d N/A security holder approval under rule 7.1A 6e Number of *securities issued with N/A security holder approval under rule 7.3, or another specific security holder approval (specify date of meeting)

exception in rule 7.2

Number of *securities issued under an

6f

Appendix 3B Page 2 04/03/2013

N/A

⁺ See chapter 19 for defined terms.

quoted on ASX (including the *securities in section 2 if applicable) maximum number of shares offered under the Rights Issue is issued, there will be 1,179,346,944 shares on issue after completion of the Rights Issue. Assuming that the maximum number of shares offered under the Rights Issue is issued, there will be 235,869,389 options on issue after completion of the Rights Issue. Number +Class			
7.1A for non-cash consideration, state date on which valuation of consideration was released to ASX Market Announcements 6i Calculate the entity's remaining issue capacity under rule 7.1 and rule 7.1A – complete Annexure 1 and release to ASX Market Announcements 7 *Issue dates Note: The issue date may be prescribed by ASX (refer to the definition of issue date in rule 19.12). For example, the issue date for a pro rata entitlement issue must comply with the applicable timetable in Appendix 7A. Cross reference: item 33 of Appendix 3B. 8 Number and *class of all *securities quoted on ASX (including the *securities in section 2 if applicable) Number +Class Number +Class Number the Rights Issue is issued, there will be 1,179,346,944 shares on issue after completion of the Rights Issue. Assuming that the maximum number of shares offered under the Rights Issue is issued, there will be 235,869,389 options on issue after completion of the Rights Issue. Number +Class		least 75% of 15 day ated under rule ne +issue date and	was issue p VWAP as 7.1A.3? In both values
capacity under rule 7.1 and rule 7.1A – complete Annexure 1 and release to ASX Market Announcements 7 *Issue dates Note: The issue date may be prescribed by ASX (refer to the definition of issue date in rule 19.12). For example, the issue date for a pro rata entitlement issue must comply with the applicable timetable in Appendix 7A. Cross reference: item 33 of Appendix 3B. Number and +class of all +securities quoted on ASX (including the +securities in section 2 if applicable) Number +Class		consideration, state n valuation of released to ASX	7.1A for no date on considerati
Note: The issue date may be prescribed by ASX (refer to the definition of issue date in rule 19,12). For example, the issue date for a pro rate entitlement issue must comply with the applicable timetable in Appendix 7A. Cross reference: item 33 of Appendix 3B. Number and +class of all +securities quoted on ASX (including the +securities in section 2 if applicable) **securities in section 2 if applicable) Number +class Assuming that the maximum number of shares offered under the Rights Issue is issued, there will be 1,179,346,944 shares on issue after completion of the Rights Issue. Assuming that the maximum number of shares offered under the Rights Issue is issued, there will be 235,869,389 options on issue after completion of the Rights Issue. Number +Class	annexure 1	7.1 and rule 7.1A - e 1 and release to	capacity ur complete
Note: The issue date may be prescribed by ASX (refer to the definition of issue date in rule 19,12). For example, the issue date for a pro rate entitlement issue must comply with the applicable timetable in Appendix 7A. Cross reference: item 33 of Appendix 3B. Number and +class of all +securities quoted on ASX (including the +securities in section 2 if applicable) **securities in section 2 if applicable) Number +class Assuming that the maximum number of shares offered under the Rights Issue is issued, there will be 1,179,346,944 shares on issue after completion of the Rights Issue. Assuming that the maximum number of shares offered under the Rights Issue is issued, there will be 235,869,389 options on issue after completion of the Rights Issue. Number +Class	instead to be Wednesday 7 Nevember 2019		- +Iggua data
Number and *class of all *securities quoted on ASX (including the *securities in section 2 if applicable) Number	ipated to be wednesday, / November 2018	date in rule 19.12). For a pro rata entitlement issue	Note: The issue to the definitie example, the iss must comply
Number and *class of all *securities quoted on ASX (including the *securities in section 2 if applicable) Assuming that the maximum number of shares offered under the Rights Issue is issued, there will be 1,179,346,944 shares on issue after completion of the Rights Issue. Assuming that the maximum number of shares offered under the Rights Issue is issued, there will be 235,869,389 options on issue after completion of the Rights Issue. Number +Class		Appendix 3B.	Cross reference
Number and *class of all *securities quoted on ASX (including the *securities in section 2 if applicable) Assuming that the maximum number of shares offered under the Rights Issue is issued, there will be 1,179,346,944 shares on issue after completion of the Rights Issue. Assuming that the maximum number of shares offered under the Rights Issue is issued, there will be 235,869,389 options on issue after completion of the Rights Issue. Number +Class	CI.		
	ming that the num number of s offered under Rights Issue is d, there will be 1,346,944 shares issue after letion of the s Issue. Options Options Options Options Options offered under Rights Issue is d, there will be 169,389 options issue after letion of the leti	(including the	quoted o
Number and +class of all +securities 1,500,000 Ontions over ore			
not qoted on ASX (including the *securities in section 2 if applicable)	-	SX (including the	not qoted

Dividend policy (in the case of a trust, distribution policy) on the increased capital (interests)

10

Part 2 - Pro rata issue

11	Is security holder approval required?	No, shareholder approval is not required for the Rights Issue	
12	Is the issue renounceable or non-renounceable?	Non-renounceable	
13	Ratio in which the *securities will be offered	One New Share for every four Shares held together with one Option for every New Share, however Shareholders may apply for more than their entitlements.	
14	⁺ Class of ⁺ securities to which the offer relates	Ordinary shares	
15	⁺ Record date to determine entitlements	7.00pm (AEDT) Tuesday, 9 October 2018	
16	Will holdings on different registers (or subregisters) be aggregated for calculating entitlements?	No	
17	Policy for deciding entitlements in relation to fractions	Any fractional entitlements to a new share will be rounded up to the nearest whole new share.	
18	Names of countries in which the entity has security holders who will not be sent new offer documents	All countries other than Australia	
	Note: Security holders must be told how their entitlements are to be dealt with.		
	Cross reference: rule 7.7.		
19	Closing date for receipt of acceptances or renunciations	5.00pm (AEDT) 30 October 2018	
20	Names of any underwriters	None	
21	Amount of any underwriting fee or commission	N/A	
22	Names of any brokers to the issue	CPS Capital Group Pty Ltd	
23	Fee or commission payable to the broker to the issue	\$25,000	
		5,000,000 Options	

Appendix 3B Page 4 04/03/2013

⁺ See chapter 19 for defined terms.

24	Amount of any handling fee payable to brokers who lodge acceptances or renunciations on behalf of security holders	Up to 6% on the funds procured under the Offer
25	If the issue is contingent on security holders' approval, the date of the meeting	N/A
26	Date entitlement and acceptance form and offer documents will be sent to persons entitled	Friday, 12 October 2018
27	If the entity has issued options, and the terms entitle option holders to participate on exercise, the date on which notices will be sent to option holders	Thursday, 4 October 2018
28	Date rights trading will begin (if applicable)	N/A
29	Date rights trading will end (if applicable)	N/A
30	How do security holders sell their entitlements <i>in full</i> through a broker?	N/A
31	How do security holders sell <i>part</i> of their entitlements through a broker and accept for the balance?	N/A
32	How do security holders dispose of their entitlements (except by sale through a broker)?	N/A
33	⁺ Issue date	Anticipated to be Wednesday, 7 November 2018

Part 3 - Quotation of securities You need only complete this section if you are applying for quotation of securities Type of *securities 34 (tick one) *Securities described in Part 1 (a) (b) All other *securities Example: restricted securities at the end of the escrowed period, partly paid securities that become fully paid, employee incentive share securities when restriction ends, securities issued on expiry or conversion of convertible Entities that have ticked box 34(a) Additional securities forming a new class of securities Tick to indicate you are providing the information or documents If the +securities are +equity securities, the names of the 20 largest holders of the 35 additional +securities, and the number and percentage of additional +securities held by those holders 36 If the *securities are *equity securities, a distribution schedule of the additional *securities setting out the number of holders in the categories 1 - 1,000 1,001 - 5,000 5,001 - 10,000 10,001 - 100,000 100,001 and over A copy of any trust deed for the additional *securities Entities that have ticked box 34(b)

38	Number of *securities for which *quotation is sought	N/A
39	⁺ Class of ⁺ securities for which quotation is sought	N/A

Appendix 3B Page 6 04/03/2013

⁺ See chapter 19 for defined terms.

40	Do the *securities rank equally in all respects from the *issue date with an existing *class of quoted *securities?	N/A	
	If the additional *securities do not rank equally, please state: • the date from which they do • the extent to which they participate for the next dividend, (in the case of a trust, distribution) or interest payment • the extent to which they do not rank equally, other than in relation to the next dividend, distribution or interest payment		
41	Reason for request for quotation now	N/A	
	Example: In the case of restricted securities, end of restriction period		
	(if issued upon conversion of another *security, clearly identify that other *security)		
			G!
		Number	+Class
42	Number and *class of all *securities quoted on ASX (including the *securities in clause 38)	N/A	N/A

Quotation agreement

- [†]Quotation of our additional [†]securities is in ASX's absolute discretion. ASX may quote the [†]securities on any conditions it decides.
- 2 We warrant the following to ASX.
 - The issue of the +securities to be quoted complies with the law and is not for an illegal purpose.
 - There is no reason why those *securities should not be granted *quotation.
 - An offer of the *securities for sale within 12 months after their issue will not require disclosure under section 707(3) or section 1012C(6) of the Corporations Act.

Note: An entity may need to obtain appropriate warranties from subscribers for the securities in order to be able to give this warranty

- Section 724 or section 1016E of the Corporations Act does not apply to any applications received by us in relation to any *securities to be quoted and that no-one has any right to return any *securities to be quoted under sections 737, 738 or 1016F of the Corporations Act at the time that we request that the *securities be quoted.
- If we are a trust, we warrant that no person has the right to return the ⁺securities to be quoted under section 1019B of the Corporations Act at the time that we request that the ⁺securities be quoted.
- We will indemnify ASX to the fullest extent permitted by law in respect of any claim, action or expense arising from or connected with any breach of the warranties in this agreement.
- We give ASX the information and documents required by this form. If any information or document is not available now, we will give it to ASX before †quotation of the †securities begins. We acknowledge that ASX is relying on the information and documents. We warrant that they are (will be) true and complete.

Sign here: Date: 4 October 2018
Company secretary

Print name: Melanie Leydin

== == == ==

Appendix 3B Page 8 04/03/2013

⁺ See chapter 19 for defined terms.

Appendix 3B – Annexure 1

Calculation of placement capacity under rule 7.1 and rule 7.1A for +eligible entities

Introduced 01/08/12

Part 1

Rule 7.1 – Issues exceeding 15% of capital		
Step 1: Calculate "A", the base figure from which the placement capacity is calculated		
Insert number of fully paid ordinary securities on issue 12 months before date of issue or agreement to issue	943,477,555	
Add the following:		
Number of fully paid ordinary securities issued in that 12 month period under an exception in rule 7.2	Up to 235,869,389 to be issued under the Rights Issue – Anticipated to be issued Wednesday, 7 November 2018	
Number of fully paid ordinary securities issued in that 12 month period with shareholder approval		
Number of partly paid ordinary securities that became fully paid in that 12 month period		
 Note: Include only ordinary securities here – other classes of equity securities cannot be added Include here (if applicable) the securities the subject of the Appendix 3B to which this form is annexed It may be useful to set out issues of securities on different dates as separate line items 		
Subtract the number of fully paid ordinary securities cancelled during that 12 month period	-	
"A"	Up to 1,179,346,944	

o4/o3/2013 Appendix 3B Page 9

⁺ See chapter 19 for defined terms.

Step 2: Calculate 15% of "A"		
"B"	0.15	
	[Note: this value cannot be changed]	
Multiply "A" by 0.15	Up to 176,902,041	
Step 3: Calculate "C", the amount of 7.1 that has already been used	of placement capacity under rule	
Insert number of equity securities issued or agreed to be issued in that 12 month period not counting those issued:		
Under an exception in rule 7.2	350,000 – 16 October 2017	
Under rule 7.1A		
 With security holder approval under rule 7.1 or rule 7.4 		
 Note: This applies to equity securities, unless specifically excluded – not just ordinary securities Include here (if applicable) the securities the subject of the Appendix 3B to which this form is annexed It may be useful to set out issues of securities on different dates as separate line items 		
"C"	350,000	
Step 4: Subtract "C" from ["A" x "E placement capacity under rule 7.1 "A" x 0.15	3"] to calculate remaining	
Note: number must be same as shown in Step 2	170,002,011	
Subtract "C"	350,000	
Note: number must be same as shown in Step 3		
<i>Total</i> ["A" x 0.15] – "C"	Up to 176,552,041	
	[Note: this is the remaining placement capacity under rule 7.1]	

Appendix 3B Page 10 04/03/2013

⁺ See chapter 19 for defined terms.

Rule 7.1A – Additional placement capacity for eligible entities		
Step 1: Calculate "A", the base figure from which the placement capacity is calculated		
"A"	Up to 1,179,346,944	
Note: number must be same as shown in Step 1 of Part 1		
Step 2: Calculate 10% of "A"		
"D"	0.10	
	Note: this value cannot be changed	
Multiply "A" by 0.10	Up to 117,934,694	
Step 3: Calculate "E", the amount of placement capacity under rule 7.1A that has already been used		
Insert number of equity securities issued or agreed to be issued in that 12 month period under rule 7.1A	-	
Notes: This applies to equity securities – not just ordinary securities Include here – if applicable – the securities the subject of the Appendix 3B to which this form is annexed Do not include equity securities issued under rule 7.1 (they must be dealt with in Part 1), or for which specific security holder approval has been obtained It may be useful to set out issues of securities on different dates as separate line items	_	

04/03/2013 Appendix 3B Page 11

⁺ See chapter 19 for defined terms.

Step 4: Subtract "E" from ["A" x "D"] to calculate remaining placement capacity under rule 7.1A		
"A" x 0.10	Up to 117,934,694	
Note: number must be same as shown in Step 2		
Subtract "E"	-	
Note: number must be same as shown in Step 3		
Total ["A" x 0.10] – "E"	Up to 117,934,694	
	Note: this is the remaining placement capacity under rule 7.1A	

Appendix 3B Page 12 04/03/2013

⁺ See chapter 19 for defined terms.