

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 1/7/96. Origin: Appendix 5. Amended 1/7/98, 1/9/99, 1/7/2000, 30/9/2001, 11/3/2002, 1/1/2003.

Name of entity

RIMFIRE PACIFIC MINING NL

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).

| | | |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | +Class of +securities issued or to be issued | (a) Ordinary Shares (b) New Option OP11 |
| 2 | Number of +securities issued or to be issued (if known) or maximum number which may be issued | (a) New Shares – 124,790,443 (b) New Options - 124,790,443 |
| 3 | Principal terms of the +securities (eg, 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) | (a) Fully paid ordinary shares issued at 1.3 cents per share. (b) Free attached New Option, Exercise Price 4 cents, Expiry 31 August 2011 This issue is based on a prorate rights issue to all shareholders of 2 new ordinary share for each 5 ordinary shares already held at the record date of 1 June 2010. The offer closes on 21 June 2010 |

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>4 Do the ⁺securities rank equally in all respects from the date of allotment with an existing ⁺class of quoted ⁺securities?</p> <p>If the additional securities do not rank equally, please state:</p> <ul style="list-style-type: none"> • 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 | <p>(a) Yes – New Shares</p> <p>(b) New Options are a new class of security, so have no ranking equivalent. The New Options convert to Ordinary Shares, if exercised, and would rank equally with pre-existing ordinary shares at that point.</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| | |
|---------------------------------------|------------------------------------------------------------------------|
| <p>5 Issue price or consideration</p> | <p>\$1,622,276 (124,790,443 ordinary shares @ 1.3 cents per share)</p> |
|---------------------------------------|------------------------------------------------------------------------|

| | |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>6 Purpose of the issue (If issued as consideration for the acquisition of assets, clearly identify those assets)</p> | <p>To enable the Company to maintain its exploration programs, and provide additional working capital and the payment of existing liabilities.</p> |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|

| | |
|------------------------------------------------------------------------------------------------------------|------------------------------|
| <p>7 Dates of entering ⁺securities into uncertificated holdings or despatch of certificates</p> | <p>29 June 2010 despatch</p> |
|------------------------------------------------------------------------------------------------------------|------------------------------|

| <p>8 Number and ⁺class of all ⁺securities quoted on ASX (<i>including</i> the securities in clause 2 if applicable)</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Number</th> <th style="text-align: center;">⁺Class</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">(a) 436,766,550</td> <td style="text-align: center;">(a) Ordinary</td> </tr> <tr> <td style="text-align: center;">(b) 124,790,443</td> <td style="text-align: center;">(b) Options</td> </tr> </tbody> </table> | Number | ⁺ Class | (a) 436,766,550 | (a) Ordinary | (b) 124,790,443 | (b) Options |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------|-----------------|--------------|-----------------|-------------|
| Number | ⁺ Class | | | | | | |
| (a) 436,766,550 | (a) Ordinary | | | | | | |
| (b) 124,790,443 | (b) Options | | | | | | |

+ See chapter 19 for defined terms.

| | Number | +Class |
|---------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------|
| 9 Number and +class of all +securities not quoted on ASX (including the securities in clause 2 if applicable) | 7,500,000 | Unlisted Call Options (expiring 30 th Sept 2010) |

| | |
|-------------------------------------------------------------------------------------------------------|-----|
| 10 Dividend policy (in the case of a trust, distribution policy) on the increased capital (interests) | N/A |
|-------------------------------------------------------------------------------------------------------|-----|

Part 2 - Bonus issue or pro rata issue

| | |
|------------------------------------------|----|
| 11 Is security holder approval required? | No |
|------------------------------------------|----|

| | |
|---------------------------------------------------|--------------|
| 12 Is the issue renounceable or non-renounceable? | Renounceable |
|---------------------------------------------------|--------------|

| | |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 13 Ratio in which the +securities will be offered | 2 for 5, but shareholders may also apply for additional new shares above their prorate entitlement |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------|

| | |
|-----------------------------------------------------|----------------------------|
| 14 +Class of +securities to which the offer relates | Fully paid ordinary shares |
|-----------------------------------------------------|----------------------------|

| | |
|-------------------------------------------|----------------------------|
| 15 +Record date to determine entitlements | 1 June 2010 at 7:00pm AEST |
|-------------------------------------------|----------------------------|

| | |
|-------------------------------------------------------------------------------------------------------|----|
| 16 Will holdings on different registers (or subregisters) be aggregated for calculating entitlements? | No |
|-------------------------------------------------------------------------------------------------------|----|

| | |
|--------------------------------------------------------------|-------------|
| 17 Policy for deciding entitlements in relation to fractions | Rounding Up |
|--------------------------------------------------------------|-------------|

| | |
|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 18 Names of countries in which the entity has +security holders who will not be sent new issue documents | All holders “outside of Australia and New Zealand” will not participate in the offer. |
| 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 | 21 June 2010 Closing date of offer |
|-------------------------------------------------------------|------------------------------------|

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

| | | |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 20 | Names of any underwriters | Patersons Securities Limited |
| 21 | Amount of any underwriting fee or commission | Lead manager fee of \$60,000 and brokerage fee of 5% |
| 22 | Names of any brokers to the issue | Patersons Securities Limited |
| 23 | Fee or commission payable to the broker to the issue | See item 21 above |
| 24 | Amount of any handling fee payable to brokers who lodge acceptances or renunciations on behalf of +security holders | No brokerage fee applies to acceptances |
| 25 | If the issue is contingent on +security holders' approval, the date of the meeting | No shareholder approval is required |
| 26 | Date entitlement and acceptance form and prospectus or Product Disclosure Statement will be sent to persons entitled | 4 June 2010 |
| 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 | Unlisted option holders (Directors and Exploration Consultant) were informed and no exercise of options was undertaken. Unlisted Options were exercisable at 12 cents per share. |
| 28 | Date rights trading will begin (if applicable) | 26 May 2010 |
| 29 | Date rights trading will end (if applicable) | 11 June 2010 |
| 30 | How do +security holders sell their entitlements <i>in full</i> through a broker? | To sell all of your Entitlement on the Australian Securities Exchange, complete the appropriate section on the back of the Entitlement and Acceptance Form marked "Instructions to Your Stockbroker" and lodge the Entitlement and Acceptance Form with your stockbroker as soon as possible, or otherwise provide instructions to your stockbroker regarding the number of Rights you wish to sell on ASX |

+ See chapter 19 for defined terms.

- | | | |
|----|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 31 | How do ⁺ security holders sell <i>part</i> of their entitlements through a broker and accept for the balance? | To take up only part of your Entitlement, complete the Entitlement and Acceptance Form for the number of New Shares you wish to take up and follow the steps required in accordance with Section 4.2 of the Prospectus. You may then provide instructions to your stockbroker regarding the number of Rights you wish to sell on the Australian Securities Exchange. |
|----|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

⁺ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

32 How do ⁺security holders dispose of their entitlements (except by sale through a broker)?

To transfer all or part of your Rights to another person other than on the Australian Securities Exchange provided that the purchaser is not a Non-qualifying Foreign Shareholder or would not be a Non-qualifying Foreign Shareholder if the purchaser was the registered holder of Shares.

If you wish to transfer all of your Entitlement to another person other than on the Australian Securities Exchange, forward a completed standard renunciation form (obtainable from the Company's Share Registry) and the applicable transferee's cheque or bank draft for any Application Money for the New Shares they wish to subscribe for, to the Company's Share Registry by 7:00pm AEST on 21 June 2010.

To transfer part of your Entitlement to another person other than on the Australian Securities Exchange only, but also want to take up some or all of the balance of your Entitlement, you will need to take the steps described above in relation to the Rights you wish to transfer and complete the accompanying Entitlement and Acceptance Form in respect of the Rights you wish to take up. You will need to lodge the form in accordance with the procedure in Section 4.2.

If the Share Registry receives both a completed renunciation form and a completed Entitlement and Acceptance Form in respect of the same Rights, the renunciation will be given effect in priority to the acceptance.

33 ⁺Despatch date

29 June 2010

Part 3 - Quotation of securities

You need only complete this section if you are applying for quotation of securities

34 Type of securities
(tick one)

(a) Securities described in Part 1

⁺ See chapter 19 for defined terms.

(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 securities

Entities that have ticked box 34(a)

Additional securities forming a new class of securities N/A

Tick to indicate you are providing the information or documents

35 If the +securities are +equity securities, the names of the 20 largest holders of the 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

37 A copy of any trust deed for the additional +securities

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

Entities that have ticked box 34(b)

38 Number of securities for which
 +quotation is sought

| |
|--|
| |
|--|

39 Class of +securities for which
 quotation is sought

| |
|--|
| |
|--|

40 Do the +securities rank equally in all
 respects from the date of allotment
 with an existing +class of quoted
 +securities?

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

Example: In the case of restricted securities, end of
 restriction period

(if issued upon conversion of
 another security, clearly identify that
 other security)

| |
|--|
| |
|--|

| | Number | +Class |
|-------------------------------------------------------------------------------------------------------------|--------|--------|
| 42 Number and +class of all +securities quoted on ASX (<i>including</i> the securities in clause 38) | | |

+ See chapter 19 for defined terms.

Quotation agreement

1 +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.
- We warrant that if confirmation is required under section 1017F of the Corporations Act in relation to the +securities to be quoted, it has been provided 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.

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

- 3 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.
- 4 We give ASX the information and documents required by this form. If any information or document not available now, 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: 20th May 2010

Executive Chairman

Print name:

JOHN ADRIAN KAMINSKY

== == == == ==

+ See chapter 19 for defined terms.