

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, 24/10/2005.

Name of entity	Poseidon Nickel Limited
ACN	060 525 206

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	Fully Paid Ordinary Shares; and Cancellation of December 2009 Listed Options
2	Number of +securities issued or to be issued (if known) or maximum number which may be issued	225,982 Fully Paid Shares 675,000 Fully Paid Shares 1,239,000 Fully Paid Shares (6,157,904) December 2009 Listed Options
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)	<u>225,982 Fully Paid Shares</u> Rank equally; <u>675,000 Fully Paid Shares</u> Subject to certain vesting conditions and the continuing employment of the Chief Executive Officer; <u>1,239,000 Fully Paid Shares</u> Subject to a vesting period commencing on the Issue Date and ending upon the satisfaction of the following conditions: <ul style="list-style-type: none"> • Shares have been held in Trust for a minimum period of three (3) years from the Issue Date; and • Participant continues to be a full time employee of the Company throughout the above-mentioned three year period

+ See chapter 19 for defined terms.

- 4 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

The 2,139,982 (in total) of Fully Paid Shares to be issued will rank equally with existing Fully Paid Ordinary Shares on issue.

- 5 Issue price or consideration

225,982 Fully Paid Shares

161,047 Shares are at \$0.3743 per Share (92 day VWAP to 30 September 2009); and

64,935 Shares are at \$0.2653 per Share (91 day VWAP to 30 June 2009)

675,000 Fully Paid Shares

\$168,750 being 675,000 Shares at a deemed issue price of \$0.25 per Share

The Share issue is inclusive of Mr Singleton's annual bonus for the financial year ended 30 June 2009 that has been pre-elected to be received as Shares

1,239,000 Fully Paid Shares

\$0.25 (deemed issue price) being the closing price of Company Shares on 30 June 2009

6 Purpose of the issue
(If issued as consideration for the acquisition of assets, clearly identify those assets)

225,982 Fully Paid Shares
Issue of Fully Paid Ordinary Shares to the Directors in lieu of Directors Fees for the September 2009 quarter as approved by the Shareholders at the Annual General Meeting in November 2009;

Issue of Fully Paid Ordinary Shares to the Directors in lieu of Director Fees. In relation to Messrs Monti, Forrest and Brayshaw; the Shares relate to the Director Fees for the September 2009 quarter as approved by the Shareholders at the November 2009 Annual General Meeting; and

In relation to Mr Indermaur he is receiving 64,935 Shares for the period of his appointment on 2 April 2009 to 30 June 2009; in addition to the Shares for the September 2009 quarter as approved by the Shareholders at the November 2009 Annual General Meeting

675,000 Fully Paid Shares
These Shares have been provided as an equity incentive to the Chief Executive Officer to contribute to the achievement of the Company's objective , to continue to align his interests with those of the Shareholders and by taking Shares instead of cash this assists in preserving the Company's cash resources; and

The issue of these Shares was approved by the Shareholders at the November 2009 Annual General Meeting.

1,239,000 Fully Paid Shares
These Shares are being issued in accordance with the Poseidon Employee Bonus Scheme as approved by the Shareholders at the November 2009 Annual General Meeting.

(6,157,904) December 2009 Listed Options
The Listed Options expired at 5.00pm (WST) on 5 December 2009 with an exercise price of 81 cents.

7 Dates of entering +securities into uncertificated holdings or despatch of certificates

24 December 2009

8 Number and +class of all +securities quoted on ASX (including the securities in clause 2 if applicable)

Number	+Class
162,366,935	Ordinary fully paid shares
6,157,403	05 December 2011 Options

+ See chapter 19 for defined terms.

9	Number and +class of all +securities not quoted on ASX (including the securities in clause 2 if applicable)	50,000	Partly Paid Shares Issued at \$0.102 and paid to \$0.002 (leaving \$0.10 to pay)
		5,517,200	Partly Paid Shares Issued at \$0.102 and paid to \$0.062 (leaving \$0.04 to pay)
		1,000,000	2 July 2011 Incentive Options
		2,500,000	31 July 2012 Unlisted Options
		115,000,000	19 September 2012 Unlisted Options
		533,000	22 October 2012 Unlisted Employee Options
		2,000,000	December 2012 Incentive Options
		15,906,681	Unsecured Convertible Notes
		313,131	Special Bonus Employee Shares

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

Not Applicable

Part 2 - Bonus issue or pro rata issue

Questions 11 to 33 are not applicable.

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

(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

Questions 35 to 42 not applicable

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.

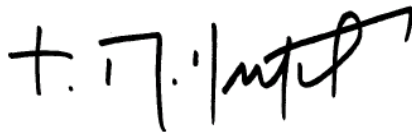
Note: An entity may need to obtain appropriate warranties from subscribers for the securities in order to be able to give this warranty

- 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.
- 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.

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: 24 December 2009

Print name: **Ross Kestel**
Company Secretary

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