

Rule 2.7, 3.10.3, 3.10.4, 3.10.5

# 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

**PEPLIN, INC.**

ARBN

**126 884 393**

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   | Share Options  |
| 2 | Number of +securities issued or to be issued (if known) or maximum number which may be issued  | 199,276  |
| 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) | <ul style="list-style-type: none"><li>• Exercise price: US\$4.81</li><li>• Expiry date: 23 December 2018</li><li>• Vesting in 48 equal monthly instalments commencing 24 January 2009.</li></ul> |

<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"> <li>• the date from which they do</li> <li>• the extent to which they participate for the next dividend, (in the case of a trust, distribution) or interest payment</li> <li>• the extent to which they do not rank equally, other than in relation to the next dividend, distribution or interest payment</li> </ul>	<p>No rights to participate in dividends, etc until exercised and converted into Common Stock</p>						
<p>5 Issue price or consideration</p>	<p>Nil upon grant of option; exercise price to be paid to Peplin upon exercise of each option.</p>						
<p>6 Purpose of the issue (If issued as consideration for the acquisition of assets, clearly identify those assets)</p>	<p>Stock option grants to employees under Peplin's 2007 Incentive Award Plan</p>						
<p>7 Dates of entering +securities into uncertificated holdings or despatch of certificates</p>	<p>24 December 2008</p>						
<p>8 Number and +class of all +securities quoted on ASX (<i>including</i> the securities in clause 2 if applicable)</p>	<table> <tr> <th data-bbox="787 1230 1065 1262">Number</th><th data-bbox="1065 1230 1334 1262">+Class</th></tr> <tr> <td data-bbox="787 1262 1065 1335">167,522,820</td><td data-bbox="1065 1262 1334 1335">Share CDIs 20:1 (PLI)</td></tr> <tr> <td data-bbox="787 1335 1065 1421">17,118,960</td><td data-bbox="1065 1335 1334 1421">Options CDIs (PLIO)</td></tr> </table>	Number	+Class	167,522,820	Share CDIs 20:1 (PLI)	17,118,960	Options CDIs (PLIO)
Number	+Class						
167,522,820	Share CDIs 20:1 (PLI)						
17,118,960	Options CDIs (PLIO)						

	Number	+Class
9 Number and +class of all +securities not quoted on ASX ( <i>including</i> the securities in clause 2 if applicable)	15,141,129	Common Stock (including common stock held as CDIs)
	225,000	Restricted common stock (PLIAU)
	1,326,753	Warrants (PLIAW)
	539,740	Share Options (PLIAY)
	21,000	Share Options (PLIAI)
	58,987	Share Options (PLIAK)
	140,674	Share Options (PLIAQ)
	13,000	Share Options (PLIAM)
	56,119	Share Options (PLIAS)
	385,000	Share Options (PLIAO)
	219,000	Share Options (PLIAZ)
	199,276	Share Options (New Issue)
10 Dividend policy (in the case of a trust, distribution policy) on the increased capital (interests)	No dividends payable on options.	

## Part 2 - Bonus issue or pro rata issue

11 Is security holder approval required?	
12 Is the issue renounceable or non-renounceable?	
13 Ratio in which the +securities will be offered	
14 +Class of +securities to which the offer relates	
15 +Record date to determine entitlements	
16 Will holdings on different registers (or subregisters) be aggregated for calculating entitlements?	
17 Policy for deciding entitlements in relation to fractions	

18	Names of countries in which the entity has +security holders who will not be sent new issue documents  <small>Note: Security holders must be told how their entitlements are to be dealt with. Cross reference: rule 7.7.</small>	
19	Closing date for receipt of acceptances or renunciations	
20	Names of any underwriters	
21	Amount of any underwriting fee or commission	
22	Names of any brokers to the issue	
23	Fee or commission payable to the broker to the issue	
24	Amount of any handling fee payable to brokers who lodge acceptances or renunciations on behalf of +security holders	
25	If the issue is contingent on +security holders' approval, the date of the meeting	
26	Date entitlement and acceptance form and prospectus or Product Disclosure Statement will be sent to persons entitled	
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	
28	Date rights trading will begin (if applicable)	
29	Date rights trading will end (if applicable)	
30	How do +security holders sell their entitlements <i>in full</i> through a broker?	
31	How do +security holders sell <i>part</i> of their entitlements through a broker and accept for the balance?	

S:\Corporate\Secretariat\ASX\Announcements\App 3B & 708A\090102 Appendix 3B Employee options.doc

+ See chapter for defined terms.

- 32 How do <sup>+</sup>security holders dispose of their entitlements (except by sale through a broker)?
- 33 <sup>+</sup>Despatch date

### 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

#### 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*

- 35 ☐ If the <sup>+</sup>securities are <sup>+</sup>equity securities, the names of the 20 largest holders of the additional <sup>+</sup>securities, and the number and percentage of additional <sup>+</sup>securities held by those holders
- 36 ☐ If the <sup>+</sup>securities are <sup>+</sup>equity securities, a distribution schedule of the additional <sup>+</sup>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 <sup>+</sup>securities

**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	<p>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"> <li>• the date from which they do</li> <li>• the extent to which they participate for the next dividend, (in the case of a trust, distribution) or interest payment</li> <li>• the extent to which they do not rank equally, other than in relation to the next dividend, distribution or interest payment</li> </ul>					
41	<p>Reason for request for quotation now</p> <p><small>Example: In the case of restricted securities, end of restriction period</small></p> <p>(if issued upon conversion of another security, clearly identify that other security)</p>					
42	Number and +class of all +securities quoted on ASX ( <i>including</i> the securities in clause 38)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; padding: 5px;">Number</th> <th style="width: 50%; padding: 5px;">+Class</th> </tr> <tr> <td style="height: 60px;"></td> <td style="height: 60px;"></td> </tr> </table>	Number	+Class		
Number	+Class					

### 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.

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: **2 January 2009**  
(Director/Company Secretary)

Print name: **David Smith**

== == == == ==