



## ASX ANNOUNCEMENT

26 November 2013

# Alcyone Commences Crusher Upgrade

### Highlights:

- **Second stage of crusher upgrade has commenced.**
- **Crushing levels forecast to improve by ~40% after upgrade.**
- **Primary circuit will have capacity to crush 1.1 million tonnes per annum.**
- **Circuit upgrade to optimise output, create cost savings and increase stacked ounces for leaching.**
- **Second stage upgrade expected to take 10-14 days to complete.**

Queensland silver producer Alcyone Resources (**ASX: AYN**) ("**Alcyone**" or "**Company**") is pleased to advise that the second phase of the crushing circuit upgrade has commenced.

After the Board and senior management's recent review of operations, a number of key operational changes were identified including the requirement to increase production. The Twin Hills mine has experienced difficulty in recent years to meet production key performance indicators as a result of bottlenecks and a lack of infrastructure in its crushing circuit.

The crushing circuit is currently made up of a jaw crusher and a single cone crusher that must reduce the ore size from 90-120mm to 14mm with a reduction ratio of 11:1, which exceeds standard cone crusher reduction ratios. With the installation of a tertiary cone, the reduction ratio effectively becomes 3:1 with the secondary cone reducing the ore to 40mm and then the tertiary cone further reducing the ore to 14mm, which is the optimal size for the quad rolls crusher and the planned high pressure grinding rolls.

Along with the installation of an additional cone, surge bins are being constructed to feed the two cone crushers. The surge bins allow the crushing technicians to control the amount of ore feed into the crushing cavity which allows the crushers to perform at their greatest efficiency creating cost savings in manganese usage and reducing the cost per tonne of crushing consumables.

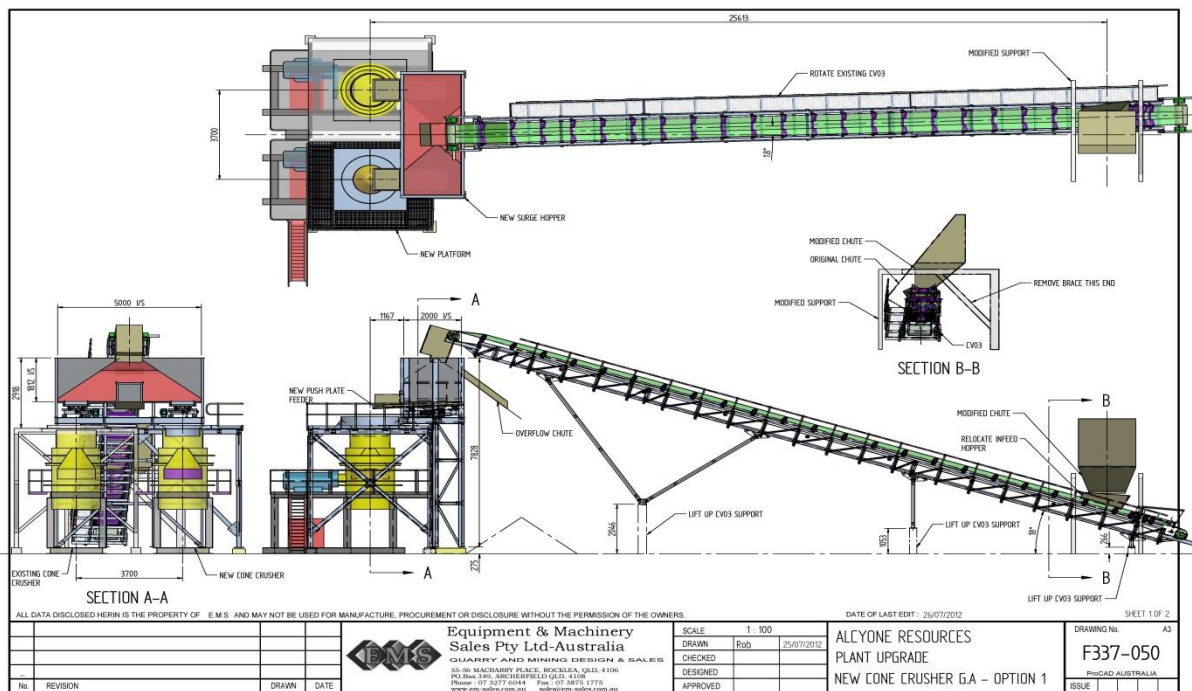
The overall advantage of crushing at a level almost 40% higher is not only in the form of cost savings from economies of scale but the overall increase in stacked ounces for leaching. The additional ounces stacked at an accelerated rate will allow the leaching department to manipulate the amount of ore in primary leaching and increase the grade in the pregnant pond, which will result in faster ounces for recovery.

The second stage of the shutdown commenced on 18 November and is anticipated to take between 10 and 14 days. Once completed, the primary circuit will have a new nameplate capacity of 1.1 million tonnes per annum while the ore stockpiled during the current shutdown is being used to feed the crusher and continue to stack leachable ounces. Upon commissioning the new primary crusher, the excess ore will be stockpiled and used once the third stage is completed so as to catch up on lost production during the upgrade phase.

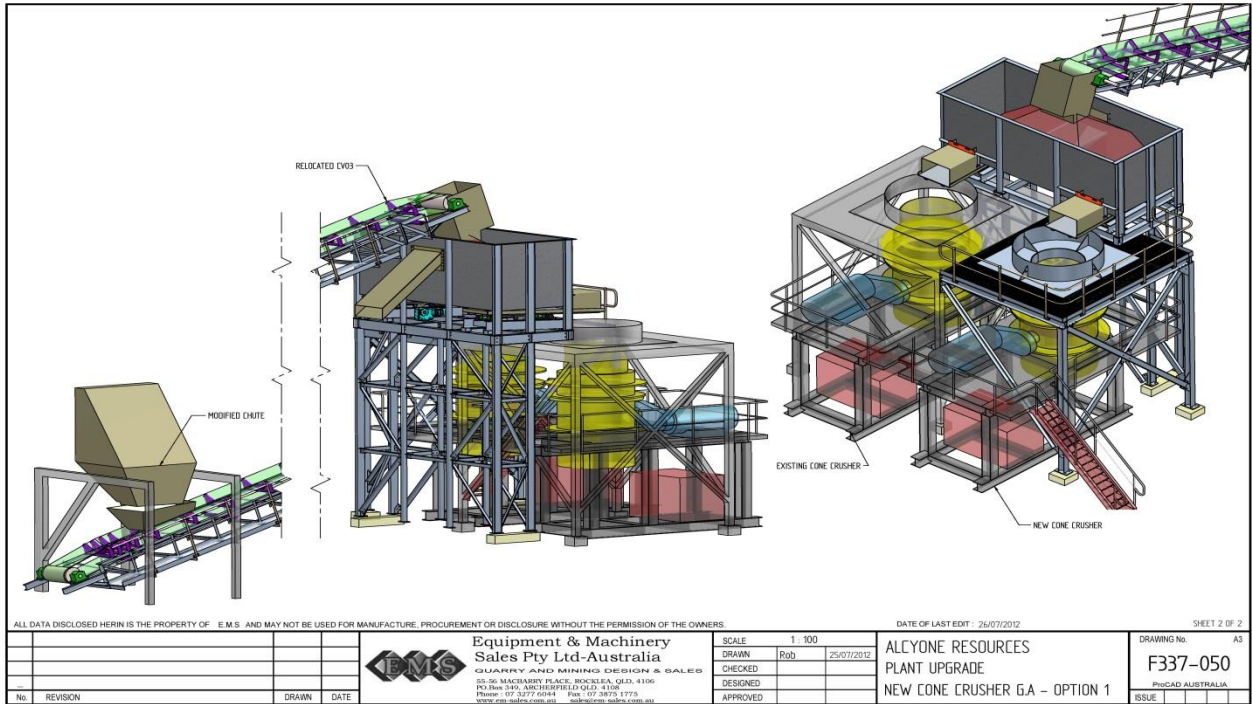
### Installing the additional cone



### Design Parameters



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**ENDS**

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## 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

Name of entity

Alcyone Resources Limited (**Company**)

ABN

056 776 160

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) Fully Paid Ordinary Shares ( <b>Shares</b> )<br>b) Listed Options exercisable at \$0.01 each expiring 31 July 2015 ( <b>AYNOA Options</b> ).      |
| 2 | Number of +securities issued or to be issued (if known) or maximum number which may be issued  | a) 2,200,000 Shares<br>b) 1,100,000 AYNOA 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) | The Shares will rank parri passu with existing fully paid ordinary shares.<br><br>The AYNOA Options are exercisable at \$0.01 expiring 31 July 2015. |

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**Appendix 3B**  
**New issue announcement**

<p>4 Do the <sup>+</sup>securities rank equally in all respects from the date of allotment with an existing <sup>+</sup>class of quoted <sup>+</sup>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>The Shares and AYNOA Options rank equally in all respects from the date of issue with the existing classes of fully paid ordinary shares and AYNAO Options respectively.</p>
<p>5 Issue price or consideration</p>	<p>2,200,000 Shares and 1,100,000 AYNOA Options issued for nil cash consideration in satisfaction of a capital raising fee.</p>
<p>6 Purpose of the issue          (If issued as consideration for the acquisition of assets, clearly identify those assets)</p>	<p>The Shares and AYNOA Options were issued to CPS Capital Group Pty Ltd in satisfaction of a capital raising fee.</p>
<p>6a Is the entity an <sup>+</sup>eligible entity that has obtained security holder approval under rule 7.1A?</p> <p>If Yes, complete sections 6b – 6h in relation to the <sup>+</sup>securities the subject of this Appendix 3B, and comply with section 6i</p>	<p>Yes</p>
<p>6b The date the security holder resolution under rule 7.1A was passed</p>	<p>22 November 2012</p>
<p>6c Number of <sup>+</sup>securities issued without security holder approval under rule 7.1</p>	<p>2,200,000 Shares and 1,100,000 AYNOA Options</p>
<p>6d Number of <sup>+</sup>securities issued with security holder approval under rule 7.1A</p>	<p>Nil</p>

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6e	Number of +securities issued with security holder approval under rule 7.3, or another specific security holder approval (specify date of meeting)	Nil											
6f	Number of securities issued under an exception in rule 7.2	Nil											
6g	If securities issued under rule 7.1A, was issue price at least 75% of 15 day VWAP as calculated under rule 7.1A.3? Include the issue date and both values. Include the source of the VWAP calculation.	N/A											
6h	If securities were issued under rule 7.1A for non-cash consideration, state date on which valuation of consideration was released to ASX Market Announcements	N/A											
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	<p>7.1 – 31,524,583 securities</p> <p>7.1A – 517,957,672 securities</p>											
7	Dates of entering +securities into uncertificated holdings or despatch of certificates	15 November 2013											
8	Number and +class of all +securities quoted on ASX (including the securities in section 2 if applicable)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Number</th> <th style="text-align: left;">+Class</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">5,640,119,044</td> <td>Fully paid ordinary shares.</td> </tr> <tr> <td style="text-align: center;">60,839,105</td> <td>Options exercisable at \$0.06 each expiring 14 May 2015 (AYNO).</td> </tr> <tr> <td style="text-align: center;">1,493,790,333</td> <td>Options exercisable at \$0.01 each expiring 31 July 2015 (AYNOA).</td> </tr> <tr> <th style="text-align: left;">Number</th> <th style="text-align: left;">+Class</th> </tr> </tbody> </table>		Number	+Class	5,640,119,044	Fully paid ordinary shares.	60,839,105	Options exercisable at \$0.06 each expiring 14 May 2015 (AYNO).	1,493,790,333	Options exercisable at \$0.01 each expiring 31 July 2015 (AYNOA).	Number	+Class
Number	+Class												
5,640,119,044	Fully paid ordinary shares.												
60,839,105	Options exercisable at \$0.06 each expiring 14 May 2015 (AYNO).												
1,493,790,333	Options exercisable at \$0.01 each expiring 31 July 2015 (AYNOA).												
Number	+Class												

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**Appendix 3B**  
**New issue announcement**

9	Number and <sup>+</sup> class of all <sup>+</sup> securities not quoted on ASX (including the securities in section 2 if applicable)	1,000,000	Options \$0.11 each, expiring 31.03.2015
		1,000,000	Options \$0.15 each, expiring 31.08.2015
		166,666	Performance share rights expiring 29.11.2015
		177,252,724	Performance share rights expiring 15.07.2014
		26,000,000	Options \$0.0496 each, expiring 26.02.2016
		88,000,000	Options \$0.0064 each, expiring 14.08.2018
		1	Convertible security with a face value of A\$12,500.
		1	Convertible security with a face value of A\$1,062,500.
		1,800,000	Convertible securities each with a face value of A\$1.
		2,590,000	Convertible Securities with a face value of \$1.
1	Debt security with a face value of \$1,050,000.		

10	Dividend policy (in the case of a trust, distribution policy) on the increased capital (interests)	Not Applicable
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**Part 2 - Bonus issue or pro rata issue**

11	Is security holder approval required?	N/A
12	Is the issue renounceable or non-renounceable?	N/A
13	Ratio in which the <sup>+</sup> securities will be offered	N/A

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14	+Class of +securities to which the offer relates	N/A
15	+Record date to determine entitlements	N/A
16	Will holdings on different registers (or subregisters) be aggregated for calculating entitlements?	N/A
17	Policy for deciding entitlements in relation to fractions	N/A
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>	N/A
19	Closing date for receipt of acceptances or renunciations	N/A

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**Appendix 3B**  
**New issue announcement**

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20	Names of any underwriters	N/A
21	Amount of any underwriting fee or commission	N/A
22	Names of any brokers to the issue	N/A
23	Fee or commission payable to the broker to the issue	N/A
24	Amount of any handling fee payable to brokers who lodge acceptances or renunciations on behalf of +security holders	N/A
25	If the issue is contingent on +security holders' approval, the date of the meeting	N/A
26	Date entitlement and acceptance form and prospectus or Product Disclosure Statement will be sent to persons entitled	N/A
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	N/A
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

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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

<sup>+</sup> See chapter 19 for defined terms.

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**New issue announcement**

**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	
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>	N/A	
41	<p>Reason for request for quotation now</p> <p>Example: In the case of restricted securities, end of restriction period</p> <p>(if issued upon conversion of another security, clearly identify that other security)</p>	N/A	
42	Number and +class of all +securities quoted on ASX (including the securities in clause 38)	Number	+Class
		N/A	

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**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: .....26 November 2013.....  
(Company secretary)

Print name: .....TREVOR HARRIS.....

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## 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

<b>Rule 7.1 – Issues exceeding 15% of capital</b>	
<b>Step 1: Calculate “A”, the base figure from which the placement capacity is calculated</b>	
<b>Insert</b> number of fully paid ordinary securities on issue 12 months before date of issue or agreement to issue	1,494,254,126
<b>Add</b> the following: <ul style="list-style-type: none"> <li>• Number of fully paid ordinary securities issued in that 12 month period under an exception in rule 7.2</li> <li>• Number of fully paid ordinary securities issued in that 12 month period with shareholder approval</li> <li>• Number of partly paid ordinary securities that became fully paid in that 12 month period</li> </ul> <p><i>Note:</i></p> <ul style="list-style-type: none"> <li>• <i>Include only ordinary securities here – other classes of equity securities cannot be added</i></li> <li>• <i>Include here (if applicable) the securities the subject of the Appendix 3B to which this form is annexed</i></li> <li>• <i>It may be useful to set out issues of securities on different dates as separate line items</i></li> </ul>	<p>3,277,646,333</p> <p>407,676,267</p>
<b>Subtract</b> the number of fully paid ordinary securities cancelled during that 12 month period	-
<b>“A”</b>	5,179,576,726

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<b>Step 2: Calculate 15% of "A"</b>	
"B"	0.15
<b>Multiply</b> "A" by 0.15	776,936,508
<b>Step 3: Calculate "C", the amount of placement capacity under rule 7.1 that has already been used</b>	
<p><b>Insert</b> number of equity securities issued or agreed to be issued in that 12 month period <i>not counting</i> those issued:</p> <ul style="list-style-type: none"> <li>• Under an exception in rule 7.2</li> <li>• Under rule 7.1A</li> <li>• With security holder approval under rule 7.1 or rule 7.4</li> </ul> <p><i>Note:</i></p> <ul style="list-style-type: none"> <li>• <i>This applies to equity securities, unless specifically excluded – not just ordinary securities</i></li> <li>• <i>Include here (if applicable ) the securities the subject of the Appendix 3B to which this form is annexed</i></li> <li>• <i>It may be useful to set out issues of securities on different dates as separate line items</i></li> </ul>	<p>126,647,059 Shares and 36,000,000 Options on 1/08/13.</p> <p>375,000 Convertible Securities on 1/08/13 each with a face value of A\$1 with a deemed conversion into 75,000,000 Shares (the actual number of Shares to be issued on conversion may vary).</p> <p>126,647,059 Shares and 36,000,000 on 8/10/13.</p> <p>125,000 Convertible Securities on 8/10/13 each with a face value of A\$1 with a deemed conversion into 49,019,607 Shares (at a deemed conversion price of \$0.00255).</p> <p>175,500,000 Shares and 87,750,000 AYNOA Options on 10/10/13.</p> <p>29,548,200 Shares on 5/11/13.</p> <p>2,200,000 Shares and 1,100,000 AYNOA Options on 15/11/2013.</p>
"C"	745,411,925
<b>Step 4: Subtract "C" from ["A" x "B"] to calculate remaining placement capacity under rule 7.1</b>	
"A" x 0.15	776,936,508
<b>Subtract</b> "C"	745,411,925
<b>Total</b> ["A" x 0.15] – "C"	31,524,583 <i>[Note: this is the remaining placement capacity under rule 7.1]</i>

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Part 2

<b>Rule 7.1A – Additional placement capacity for eligible entities</b>	
<b>Step 1: Calculate “A”, the base figure from which the placement capacity is calculated</b>	
<b>“A”</b> <i>Note: number must be same as shown in Step 1 of Part 1</i>	5,179,576,726
<b>Step 2: Calculate 10% of “A”</b>	
<b>“D”</b>	0.10 <i>Note: this value cannot be changed</i>
<b>Multiply “A” by 0.10</b>	517,957,672
<b>Step 3: Calculate “E”, the amount of placement capacity under rule 7.1A that has already been used</b>	
<b>Insert</b> number of equity securities issued or agreed to be issued in that 12 month period under rule 7.1A  <i>Notes:</i> <ul style="list-style-type: none"> <li>• <i>This applies to equity securities – not just ordinary securities</i></li> <li>• <i>Include here – if applicable – the securities the subject of the Appendix 3B to which this form is annexed</i></li> <li>• <i>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</i></li> <li>• <i>It may be useful to set out issues of securities on different dates as separate line items</i></li> </ul>	Nil
<b>“E”</b>	Nil

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<b>Step 4: Subtract “E” from [“A” x “D”] to calculate remaining placement capacity under rule 7.1A</b>	
<p>“A” x 0.10 <i>Note: number must be same as shown in Step 2</i></p>	517,957,672
<p><b>Subtract “E”</b> <i>Note: number must be same as shown in Step 3</i></p>	Nil
<p><b>Total</b> [“A” x 0.10] – “E”</p>	<p style="text-align: center;">517,957,672</p> <p style="text-align: center;"><i>Note: this is the remaining placement capacity under rule 7.1A</i></p>

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