

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

Greenland Minerals and Energy Limited

ABN

85 118 463 004

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 | Quoted shares |
| 2 | Number of +securities issued or to be issued (if known) or maximum number which may be issued | 2,054,500 ordinary shares |
| 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) | Ordinary fully paid shares |

+ 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	Yes							
5	Issue price or consideration	1,254,500 - 20 cents per share for shares issued exercise of options. 800,000 - 34 cents per share as per July 2010 placement price							
6	Purpose of the issue (If issued as consideration for the acquisition of assets, clearly identify those assets)	854,500 - Exercise of quoted options 400,000 - Exercise of unquoted options 800,000 - Issued in lieu of placement fees for July 2010 placement as per previously disclosed in Appendix 3B dated 19 October 2010							
7	Dates of entering +securities into uncertificated holdings or despatch of certificates	<table><tr><td>690,000</td><td>14 December 2010</td></tr><tr><td>564,500</td><td>16 December 2010</td></tr><tr><td>800,000</td><td>17 December 2010</td></tr></table>		690,000	14 December 2010	564,500	16 December 2010	800,000	17 December 2010
690,000	14 December 2010								
564,500	16 December 2010								
800,000	17 December 2010								
8	Number and +class of all +securities quoted on ASX (including the securities in clause 2 if applicable)	<table><tr><th>Number</th><th>+Class</th></tr><tr><td>280,456,517</td><td>FPO</td></tr><tr><td>110,269,146</td><td>OPT</td></tr></table>	Number	+Class	280,456,517	FPO	110,269,146	OPT	
Number	+Class								
280,456,517	FPO								
110,269,146	OPT								

	Number	+Class
9	Number and +class of all +securities not quoted on ASX (including the securities in clause 2 if applicable)	19,800,000 Directors unlisted unvested options 500,000 Unquoted options exercisable at \$0.20 per option. 2,388,840 Unquoted options exercisable at \$1.50 per option. Annexure 3. 5,450,000 Unquoted options exercisable at \$0.50 per option. Annexure 4. 6,250,000 Unquoted options exercisable at \$1.00 per option. Annexure 5. Terms of options as annexed below.
10	Dividend policy (in the case of a trust, distribution policy) on the increased capital (interests)	N/A

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 as A and B of item 1 of 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

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.

+ See chapter 19 for defined terms.

- 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 is 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:.....

Director

Date: 20 December 2010

Print name: Simon Cato

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ANNEXURE 1

TERMS OF OPTIONS – Quoted and unquoted 20 cents exercise

The terms of the Options are as follows:

1. Each Option entitles the holder to one Share.
2. The Options are exercisable at any time prior to 5.00 pm Western Standard Time on 30 June 2011 ("**Expiry Date**").
3. The exercise price of the Options is 20 cents per Option.
4. The Options are freely transferable.
5. The Company will provide to each Option holder a notice that is to be completed when exercising the Options ("**Notice of Exercise**"). The Options may be exercised wholly or in part by completing the Notice of Exercise and delivering it together with payment to the secretary of the Company to be received any time prior to the Expiry Date. The Company will process all relevant documents received at the end of every calendar month.
6. Upon the exercise of an Option and receipt of all relevant documents and payment, the holder in accordance with paragraph 5 will be allotted and issued a Share ranking pari passu with the then issued Shares.
7. There will be no participating rights or entitlements inherent in the Options and the holders will not be entitled to participate in new issues of capital which may be offered to Shareholders during the currency of the Options. However, the Company will ensure that for the purposes of determining entitlements to any such issue, the record date will be at least 7 business days after the issue is announced. This will give Optionholders the opportunity (where available) to exercise their Options prior to the date for determining entitlements to participate in any such issue.
8. If there is a bonus issue ("**Bonus Issue**") to Shareholders, the number of Shares over which an Option is exercisable will be increased by the number of Shares which the holder would have received if the Option had been exercised before the record date for the Bonus Issue ("**Bonus Shares**"). The Bonus Shares must be paid up by the Company out of profits or reserves (as the case may be) in the same manner as was applied in the Bonus Issue, and upon issue will rank equally in all respects with the other Shares on issue as at the date of issue of the Bonus Shares.
9. In the event of any reconstruction (including consolidation, sub-division, reduction or return) of the issued capital of the Company prior to the Expiry Date, all rights of an Optionholder are to be changed in a manner consistent with the Listing Rules.
10. In the event that the Company makes a pro rata issue of securities, the exercise price of the Options will be adjusted in accordance with the formula set out in Listing Rule 6.22.2.

+ See chapter 19 for defined terms.

ANNEXURE 2

TERMS OF OPTIONS – 19,800,000 unvested directors options

Each Option able to be vested does not vest until the holder of the Options requests in writing that the Options vest. The Company will then vest the Options within 5 business days.

The terms of the Options are otherwise as follows:

1. Each Option entitles the holder to one Share.
2. The Options are exercisable at any time prior to 5.00 pm Western Standard Time on 30 June 2011 ("**Expiry Date**").
3. The exercise price of the Options is 20 cents per Option.
4. The Options are freely transferable.
5. The Company will provide to each Option holder a notice that is to be completed when exercising the Options ("**Notice of Exercise**"). The Options may be exercised wholly or in part by completing the Notice of Exercise and delivering it together with payment to the secretary of the Company to be received any time prior to the Expiry Date. The Company will process all relevant documents received at the end of every calendar month.
6. Upon the exercise of an Option and receipt of all relevant documents and payment, the holder in accordance with paragraph 5 will be allotted and issued a Share ranking pari passu with the then issued Shares.
7. There will be no participating rights or entitlements inherent in the Options and the holders will not be entitled to participate in new issues of capital which may be offered to Shareholders during the currency of the Options. However, the Company will ensure that for the purposes of determining entitlements to any such issue, the record date will be at least 7 business days after the issue is announced. This will give Optionholders the opportunity (where available) to exercise their Options prior to the date for determining entitlements to participate in any such issue.
8. If there is a bonus issue ("**Bonus Issue**") to Shareholders, the number of Shares over which an Option is exercisable will be increased by the number of Shares which the holder would have received if the Option had been exercised before the record date for the Bonus Issue ("**Bonus Shares**"). The Bonus Shares must be paid up by the Company out of profits or reserves (as the case may be) in the same manner as was applied in the Bonus Issue, and upon issue will rank equally in all respects with the other Shares on issue as at the date of issue of the Bonus Shares.
9. In the event of any reconstruction (including consolidation, sub-division, reduction or return) of the issued capital of the Company prior to the Expiry Date, all rights of an Optionholder are to be changed in a manner consistent with the Listing Rules.
10. In the event that the Company makes a pro rata issue of securities, the exercise price of the Options will be adjusted in accordance with the formula set out in Listing Rule 6.22.2.

ANNEXURE 3

TERMS OF OPTIONS – unquoted \$1.50

The terms of the Options are as follows:

1. Each Option entitles the holder to one Share.
2. The Options are exercisable at any time prior to 5.00 pm Western Standard Time on 30 June 2011 ("**Expiry Date**").
3. The exercise price of the Options is \$1.50 cents per Option.
4. The Options are freely transferable.
5. The Company will provide to each Option holder a notice that is to be completed when exercising the Options ("**Notice of Exercise**"). The Options may be exercised wholly or in part by completing the Notice of Exercise and delivering it together with payment to the secretary of the Company to be received any time prior to the Expiry Date. The Company will process all relevant documents received at the end of every calendar month.
6. Upon the exercise of an Option and receipt of all relevant documents and payment, the holder in accordance with paragraph 5 will be allotted and issued a Share ranking pari passu with the then issued Shares.
7. There will be no participating rights or entitlements inherent in the Options and the holders will not be entitled to participate in new issues of capital which may be offered to Shareholders during the currency of the Options. However, the Company will ensure that for the purposes of determining entitlements to any such issue, the record date will be at least 7 business days after the issue is announced. This will give Optionholders the opportunity (where available) to exercise their Options prior to the date for determining entitlements to participate in any such issue.
8. If there is a bonus issue ("**Bonus Issue**") to Shareholders, the number of Shares over which an Option is exercisable will be increased by the number of Shares which the holder would have received if the Option had been exercised before the record date for the Bonus Issue ("**Bonus Shares**"). The Bonus Shares must be paid up by the Company out of profits or reserves (as the case may be) in the same manner as was applied in the Bonus Issue, and upon issue will rank equally in all respects with the other Shares on issue as at the date of issue of the Bonus Shares.
9. In the event of any reconstruction (including consolidation, sub-division, reduction or return) of the issued capital of the Company prior to the Expiry Date, all rights of an Optionholder are to be changed in a manner consistent with the Listing Rules.
10. In the event that the Company makes a pro rata issue of securities, the exercise price of the Options will be adjusted in accordance with the formula set out in Listing Rule 6.22.2.

+ See chapter 19 for defined terms.

ANNEXURE 4

TERMS OF OPTIONS – unquoted 50c

The terms of the Options are as follows:

1. Each Option entitles the holder to one Share.
2. The Options are exercisable at any time prior to 5.00 pm Western Standard Time on 30 June 2011 ("**Expiry Date**").
3. The exercise price of the Options is 50 cents per Option.
4. The Options are freely transferable.
5. The Company will provide to each Option holder a notice that is to be completed when exercising the Options ("**Notice of Exercise**"). The Options may be exercised wholly or in part by completing the Notice of Exercise and delivering it together with payment to the secretary of the Company to be received any time prior to the Expiry Date. The Company will process all relevant documents received at the end of every calendar month.
6. Upon the exercise of an Option and receipt of all relevant documents and payment, the holder in accordance with paragraph 5 will be allotted and issued a Share ranking pari passu with the then issued Shares.
7. There will be no participating rights or entitlements inherent in the Options and the holders will not be entitled to participate in new issues of capital which may be offered to Shareholders during the currency of the Options. However, the Company will ensure that for the purposes of determining entitlements to any such issue, the record date will be at least 7 business days after the issue is announced. This will give Optionholders the opportunity (where available) to exercise their Options prior to the date for determining entitlements to participate in any such issue.
8. If there is a bonus issue ("**Bonus Issue**") to Shareholders, the number of Shares over which an Option is exercisable will be increased by the number of Shares which the holder would have received if the Option had been exercised before the record date for the Bonus Issue ("**Bonus Shares**"). The Bonus Shares must be paid up by the Company out of profits or reserves (as the case may be) in the same manner as was applied in the Bonus Issue, and upon issue will rank equally in all respects with the other Shares on issue as at the date of issue of the Bonus Shares.
9. In the event of any reconstruction (including consolidation, sub-division, reduction or return) of the issued capital of the Company prior to the Expiry Date, all rights of an Optionholder are to be changed in a manner consistent with the Listing Rules.
10. In the event that the Company makes a pro rata issue of securities, the exercise price of the Options will be adjusted in accordance with the formula set out in Listing Rule 6.22.2.

ANNEXURE 5

TERMS OF OPTIONS – unquoted \$1.00

The terms of the Options are as follows:

1. Each Option entitles the holder to one Share.
2. The Options are exercisable at any time prior to 5.00 pm Western Standard Time on 30 June 2011 ("**Expiry Date**").
3. The exercise price of the Options is \$1.00 per Option.
4. The Options are freely transferable.
5. The Company will provide to each Option holder a notice that is to be completed when exercising the Options ("**Notice of Exercise**"). The Options may be exercised wholly or in part by completing the Notice of Exercise and delivering it together with payment to the secretary of the Company to be received any time prior to the Expiry Date. The Company will process all relevant documents received at the end of every calendar month.
6. Upon the exercise of an Option and receipt of all relevant documents and payment, the holder in accordance with paragraph 5 will be allotted and issued a Share ranking pari passu with the then issued Shares.
7. There will be no participating rights or entitlements inherent in the Options and the holders will not be entitled to participate in new issues of capital which may be offered to Shareholders during the currency of the Options. However, the Company will ensure that for the purposes of determining entitlements to any such issue, the record date will be at least 7 business days after the issue is announced. This will give Optionholders the opportunity (where available) to exercise their Options prior to the date for determining entitlements to participate in any such issue.
8. If there is a bonus issue ("**Bonus Issue**") to Shareholders, the number of Shares over which an Option is exercisable will be increased by the number of Shares which the holder would have received if the Option had been exercised before the record date for the Bonus Issue ("**Bonus Shares**"). The Bonus Shares must be paid up by the Company out of profits or reserves (as the case may be) in the same manner as was applied in the Bonus Issue, and upon issue will rank equally in all respects with the other Shares on issue as at the date of issue of the Bonus Shares.
9. In the event of any reconstruction (including consolidation, sub-division, reduction or return) of the issued capital of the Company prior to the Expiry Date, all rights of an Optionholder are to be changed in a manner consistent with the Listing Rules.
10. In the event that the Company makes a pro rata issue of securities, the exercise price of the Options will be adjusted in accordance with the formula set out in Listing Rule 6.22.2.

+ See chapter 19 for defined terms.