



MINERAL RESOURCES ACT 1989

Chapter 4
Form Number 2
Version 3
(Section 136)

Mineral Resources Act 1989

Exploration Permit For Minerals Number EPM 25239

I, THE HONOURABLE ANDREW CRIPPS, MINISTER FOR NATURAL RESOURCES AND MINES

of Queensland pursuant to the Mineral Resources Act 1989 (the 'Act') grant this Exploration Permit subject to the provisions of the Act, the Mineral Resources Regulation 2013, the terms of this Exploration Permit and the Conditions provided with this Exploration Permit.

- 1. Holder(s): ACN 132 668 314 PTY LTD Share (%) 100.000000000000
2. Tenancy Type: Sole Holder
3. Minerals Sought: ALL MINERALS OTHER THAN COAL
4. Term: 5 year(s)
5. Date Commenced: 03-MAR-2014
6. Date Expires: 02-MAR-2019
7. Rental: \$9,648.90 Year One
8. Security: NIL
9. Land Specified in Exploration Permit:

Subject to the provisions of the Act, this Exploration Permit is granted over all the land within the boundaries of the following Blocks and Sub-Blocks. This Land does not include any protected areas as defined under the Act.

Table with columns: BIM, Block, Sub-blocks. Rows include Block 2965 (CDE, HJK, NOP, STU, XYZ), Block 2966 (ABC, FGH, LMN, QRS, VWXY), Block 3038 (ABCDEFGHIJKL MNOP, TU, YZ), Block 3039 (AB, FG, LMN, QRS, VWXY), Block 3110 (E), Block 3111 (ABC, FG, L).

Total: 71 Sub-Blocks

Provided that the number of sub-blocks held during the term of the Exploration Permit shall not exceed the number specified in the table hereunder unless otherwise approved in writing.

Please note: the relinquishment due date is at least 20 business days prior to the anniversary date.

Table with columns: Year, Specified Sub-Blocks, Relinquishment Due. Rows: Year 1 (71), Year 2 (71), Year 3 (71), Year 4 (43, 02-FEB-2017).



MINERAL RESOURCES ACT 1989

5

43

02-FEB-2018

Granted at Brisbane this third day of March 2014

sch4 Contrary to public interest

for ANDREW CRIPPS  
Minister for NATURAL RESOURCES AND MINES



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## Approved work program for EPM 25239

The following is the work program that has been approved by the department. You are required to carry out the following work program within the conditioned period and comply with the related expenditure commitments outlined throughout the permit term.

In accordance with **Operational policy 5/2012 - Work program and relinquishment conditions**, your work program performance will be assessed against each component of the work program condition period.

### Conditioned period 1

Year 1

Sub-blocks 71

Activity	Total expenditure
Geological & geophysical review Technical review Technical study Portable XRF analysis (8,000 samples) Soil sampling (250 samples) Mapping	sch4 Contrary to public interest

Year 2

Sub-blocks 71

Activity	Total expenditure
Interpretation studies Portable XRF analysis (10,000 samples) Rock chip sampling (250 samples) Mapping	

Year 3

Sub-blocks 71

Activity	Total expenditure
RC Drilling (10 holes for 1,000m)	

**Note:**

40% relinquishment of sub-blocks required at end of year 3

50% relinquishment of sub-blocks is required if a renewal of the permit is sought

**Conditioned period 2**

Year 4

Sub-blocks 43

Activity	Total expenditure
RC Drilling (10 holes for 1,000m)	sch4 Contrary to public interest

Year 5

Sub-blocks 43

Activity	Total expenditure
RC Drilling (10 holes for 1,000m)	

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## Conditions for EPM 25239

The permit is subject to the conditions outlined in the *Mineral Resources Act 1989* and Mineral Resources Regulation 2013. The permit is also subject to the following specific conditions:

### Gregory Wild River Area

#### High Preservation Area

1. Other than Watercourses and Lakes
  - a. Only low impact activities apply
2. Watercourses and Lakes or Nominated Waterways
  - a. Within 100 lateral metres, limited hand sampling techniques apply

### EXCLUSIONS:

Any current Mining Claim, Mineral Development Licence or Mining Lease at the time of lodgement of this permit pursuant to section 132 of the Mineral Resources Act 1989.

You are required to carry out your work program and comply with the permits conditions throughout the permit term.

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**Exploration permit for minerals decision criteria**

EPM Number: 25239  
 Applicant(s): ACN 132 314 Pty Ltd  
 Application date: 9/4/13  
 Sub-blocks available for grant: 71  
 ASIC checked (date): Registered 3/3/13

Criteria	Yes	No	N/A	Comments
<b>LAND AVAILABILITY</b> (s131MRA)				
Are there any other exploration permits, for the same mineral(s) in existence over any of the sub-blocks		<input checked="" type="checkbox"/>		
Is the application subject to a conditional surrender?				If yes - permit numbers  Note: the EPs subject to the conditional surrender must be surrendered immediately prior to this grant
Does the application include land that is the whole or part of a fossicking area?				If yes the application must be refused s136(3)(a) – unless the EP was applied for prior to the land becoming a fossicking area
Does the application contain land excluded in accordance with section 132 of the MRA				Note: if yes this land is described as 'Excluded Land' in the permits general conditions.
Are there any exceptional circumstances that exist to justify the discretion to include land normally excluded in accordance with section 132 of the MRA.				
Application contains land within an Urban Restricted Area?				Do we add anything to grant?
<b>ENVIRONMENTAL AUTHORITY</b> EHP has issued an EA for the permit  Note: no EA is required for a SSM activity EPM				Number <u>EPSX01160013</u> Date of issue <u>17/5/2013</u>  If no, permit cannot be granted (s391A)
Financial assurance calculated \$ <u>2500</u> FA paid \$ <u>Not Paid</u> on / /				
<b>WILD RIVERS</b> Does the application contain lands subject to moratorium, within a proposed Wild River.				If yes check date moratorium period commenced. If EP applied for prior to commencement of moratorium period then the WR conditions do not apply. If EP applied for after commencement of moratorium period ensure the relevant conditions have been imposed on EPM
Does the application contain land within a declared Wild River.  <u>Conditions imposed.</u>	<input checked="" type="checkbox"/>			If yes check date moratorium period commenced and declaration made. If EP applied for prior to commencement of moratorium period and declaration then the WR conditions do not apply. If EP applied for after commencement of moratorium period ensure the relevant

<b>TECHNICAL ASSESSMENT</b>			conditions have been imposed on EPM Refer to TAS assessment
Relinquishment schedule has been determined?	<input checked="" type="checkbox"/>		Where grant is for greater than three year (s133(g)(ii))
The sub-blocks applied for are contiguous	<input checked="" type="checkbox"/>		Approval required for non contiguous land (s133(g)(iii)) 100 sub-blocks minerals 300 sub-blocks coal
If no - has approval for non-contiguous land been given?	<input checked="" type="checkbox"/>		Approval required for excess area section 127(4)
Does the area applied for exceed the area prescribed in respect of the mineral or minerals sought	<input checked="" type="checkbox"/>		
If yes, has approval been given?	<input checked="" type="checkbox"/>		
<b>WORK PROGRAM</b>			
Work program (program of works) has been approved?	<input checked="" type="checkbox"/>		Date approved: 8/10/2013
<b>NATIVE TITLE</b>			
Application is subject to NT and progressed through an NT Process	<input checked="" type="checkbox"/>		If no, proceed with next section
Expedited NTPC, RTN or s31 apply	<input checked="" type="checkbox"/>		NTPC
The application was advertised as an act attracting the Expedited Procedures on			2/10/2013
Were any objections lodged	<input type="checkbox"/>		
Were objections withdrawn	<input checked="" type="checkbox"/>		
Claimants registered	<input checked="" type="checkbox"/>		Kalkachon People #4 / Indlakandhi People
<b>ILUA</b>			ILUA Name: _____
Applicant has signed deed	<input checked="" type="checkbox"/>		
Paid compensation of \$ _____ to MR			Receipt details: _____
<b>ADMINISTRATIVE</b>			
First years rent of \$ <u>9648.90</u> received			Note if whole amount is not paid due to rental increase from WP approval to grant, advise holder in grant letter rental difference is due with year 2 rental.
Security deposit calculated \$ <u>NIL</u> SEC			
Security Deposit assessed as \$ <u>NIL</u>			See folio _____ Paid on / /
<b>Register updated with details:</b>			
Exclusions (MC, MDL, <u>ML</u> )	<input checked="" type="checkbox"/>		90233
Overlapping permits (P&G)	<input type="checkbox"/>		OLP MI code
Conditional surrender	<input type="checkbox"/>		CSU MI Code -



Sterile land					<u>Gregory Wild River HPA</u>
Wild rivers					
Constrained land					
Restricted area conditions					

**Checked and endorsed for approval**

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**Senior Tenures Officer  
Exploration Management Unit  
Date:**

**RECOMMENDATION**

It is recommended that the Mining Registrar, Exploration Management Unit, under delegation from the Minister approve:

- 1) pursuant to section 136(1)(a) of the *Mineral Resources Act 1989* (the Act), grant of Exploration Permit for Minerals No. 25239 over an area of 71 sub-blocks and for a term of 5 years;
- 2) that the program of work (work program) is sufficient to allow grant of the application over non-contiguous sub-blocks as provided for in section 127(3) of the Act; (delete if not applicable)
- 3) that the application be granted over an area in excess of that prescribed as provided for in section 127(4) of the Act; (delete if not applicable)
- 4) that the following condition(s) be imposed on the grant of the application, pursuant to section 141(1)(j) of the Act; (delete if not applicable)
  -
- 5) that the statements provided by the applicant/s, pursuant to section 133 (f) and (g) of the Act are acceptable.

**APPROVED/NOT APPROVED**

**Mining Registrar, Exploration Management Unit**

Date: 3/3/14

**COMMENTS**






Within:  
For:

- Search company and other registers
- Search business names register
- Search SMSF auditor register
- Check Name Availability
- Professional Registers
- Information Brokers

### View Details

#### ACN 132 668 314 PTY LTD ACN 132668314

##### Company Summary ?

**Name:** ACN 132 668 314 PTY LTD  
**ACN:** 132668314  
**ABN:** [61 132 668 314](#)  
**Registration date:** 11/08/2008  
**Next review date:** 11/08/2014  
**Former name(s):** JL EQUITIES PTY LTD  
  
**Status:** Registered  
**Type:** Australian Proprietary Company, Limited By Shares  
**Locality of registered office:** MILTON QLD 4064  
**Regulator:** Australian Securities & Investments Commission

##### Information for purchase ?

Purchased information is delivered online unless specified. Payment by credit card only. ?

##### Example of paid information

##### Company extract ?

Current company information

Current and historical company information

##### Satisfied charges ?

Satisfied charges

Roles & relationships

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**EXPLORATION PERMIT APPLICATION PROGRESSION SUMMARY**

This progression summary is to be completed by the relevant personnel to:

- maintain a record of the steps completed by each work unit;
- record recommendations made by each work unit; and
- indicate the length of time taken to complete the process.

EPM/CA No: *EPM 25239*

Date lodged: *9/4/13*

Mining District: *Mount Isa*

New application at folio: *1*

Application to add excluded land at folio:

Applicant(s): *PT1 ACN 132 668 134 LTD*

Project name (if any): *Barr Creek Project*

Sub-blocks available: *71*

Sub-blocks accepted: *71*

**SECTION 1 – MINING REGISTRAR**

1	Has district of responsibility been notified of lodgement of application?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Action completed at folio: Date: Initials:
2	Have all application requirements been lodged?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Action completed at folio: Date: Initials:
3	Registered on MERLIN.	Date registered: <i>9/4/13</i>	EP number: <i>25239</i>
4	Conditional Surrender?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	If 'Yes', list the EP(s) being conditionally surrendered:

**SECTION 2 – TENURES EXPLORATION TEAM**

5	Is this application competing with other applications?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Action completed at folio: Date: Initials:
List applications that are competing with this application:			

**SECTION 3 – PROJECT FACILITATION**

6	Has competing process been completed?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Action completed at folio: Date: Initials:			
Rankings:						
	<i>1<sup>ST</sup></i>	<i>2<sup>ND</sup></i>	<i>3<sup>RD</sup></i>	<i>4<sup>TH</sup></i>	<i>5<sup>TH</sup></i>	<i>6<sup>TH</sup></i>

**SECTION 4 – TENURES EXPLORATION TEAM**

7	Copy of application, supporting sketches and application for EA have been sent to EPA.	Date sent: <i>29/4/13</i>	Action completed at folio: Date: <i>29/4/13</i> Initials: <i>[Signature]</i>
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**EXPLORATION MANAGEMENT UNIT**

Folio No.

**Departmental Correspondence Action Sheet**

File/s:

*EPM 25239*

Action Officer

*Hailey*

**ACTION OFFICER USE**

*- file updated.*

*11/7/13, CR*

Correspondence Received:

*EA Appraisal*

Action Required:

File Required YES/NO

Signature

Date *12/6* 2013

**Records Management**

Document:

File/s  
marked to

NEW Part

OLD Part

Date Of Entry

*12/6/13*

Signature

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Comments

Save in EDOCs

Yes/No

Initials

Date

Bring Up Required

Date: / /2013

Action Officer:

Bring Up recorded in Calender YES/NO

MERLIN Update YES/NO

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Department of  
Environment and  
Heritage Protection

07-MAY-2013

Department of Natural Resources & Mines

**RECEIVED**

11 JUN 2013

2.15 am/pm

TIME BY

EXPLORATION MANAGEMENT UNIT

**COPY**

To: ACN 132 668 314 Pty Ltd  
GPO Box 3218  
BRISBANE QLD 4001

Email: tnorthcott@mineore.com.au

Cc: Tenures Support Unit  
Mineral and Coal Team  
Department of Natural Resources and Mines  
PO Box 15216  
CITY EAST QLD 4002

Our reference: 380170

**Application details**

I refer to the application that was received by the administering authority on 30-APR-2013.

Land description: EPM25239.

**Decision**

Your application has been approved and your environmental authority (reference EPSX01160013) is attached.

Should you have any further enquiries, please contact Margaret Jones on telephone 1300 130 372.

Yours sincerely

sch4p4( 6) Personal information	13/5/13
Signature	Date

Anthony Schmid  
Department of Environment and Heritage Protection  
Delegate of the administering authority  
*Environmental Protection Act 1994*

Margaret Jones  
Permit and Licence Management  
Department of Environment and  
Heritage Protection  
GPO Box 2454  
BRISBANE QLD 4001  
Phone: 1300 130 372  
Fax: (07) 3330 5875  
Email: palm@ehp.qld.gov.au  
Website www.ehp.qld.gov.au  
ABN 46 640 294 485

COPY

**Enclosed**

Permit - environmental authority (reference EPSX01160013)

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**COPY**

**Permit<sup>1</sup>**

*Environmental Protection Act 1994*

**Environmental authority**

*This environmental authority is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.*

**Permit<sup>1</sup> number: EPSX01160013**

**Environmental authority takes effect when the relevant tenure is granted.**

The first annual fee is payable within 20 business days of the effective date.

The anniversary date of this environmental authority is the same day each year as the effective date. An annual return and the payment of the annual fee which is currently \$551.00 will be due each year on this day.

**Environmental authority holder**

Name	Registered address
ACN 132 668 314 Pty Ltd	8 Gardner Close MILTON QLD 4064

**Environmentally relevant activity and location details**

Environmentally relevant activity	Location
Mining - EPM	EPM25239

**Additional information for applicants**

**Environmentally relevant activities**

The description of any environmentally relevant activity (ERA) for which an environmental authority is issued is a restatement of the ERA as defined by legislation at the time the approval is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an environmental authority as to the scale, intensity or manner of carrying out an ERA, then the conditions prevail to the extent of the inconsistency.

An environmental authority authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the authority specifically authorises environmental harm.

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

**Contaminated land**

<sup>1</sup> Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation



COPY

It is a requirement of the EP Act that if an owner or occupier of land becomes aware a notifiable activity (as defined in Schedule 3 and Schedule 4) is being carried out on the land, or that the land has been, or is being, contaminated by a hazardous contaminant, the owner or occupier must, within 22 business days after becoming so aware, give written notice to the chief executive.

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Signature

Anthony Schmid  
Department of Environment and Heritage Protection  
Delegate of the administering authority  
*Environmental Protection Act 1994*

13/5/12

Date

**Enquiries:**  
Margaret Jones  
Permit and Licence Management  
Department of Environment and Heritage  
Protection  
GPO Box 2454  
BRISBANE QLD 4001  
Phone: 1300 130 372  
Fax: (07) 3330 5875  
Email: palm@ehp.qld.gov.au

DNRM RTI DL R02450



**Obligations under the *Environmental Protection Act 1994***

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

**Conditions of environmental authority**

The conditions of approval for this environmental authority are standard conditions contained within the attached document(s) entitled:

- Code of environmental compliance for exploration and mineral development projects.

**END OF PERMIT**



Folio No.

**TECHNICAL ASSESSMENT CHECKLIST AND RECOMMENDATIONS  
EXPLORATION PERMIT FOR MINERALS NO. 25239  
APPLICATION**

Date of Grant:

<b>Applicant(s)/Holder(s): ACN 132 668 314 PTY LTD</b>	
<b>Project Name: Barr Creek Project</b>	
<b>Commodity: phosphate</b>	
<b>Number of sub-blocks applied for: 71</b>	<b>Application at folio: 1</b>

**Assessment Summary**

<b>Technical and financial resources: Qualified staff/contractor's to supervise &amp; conduct; director's undertaking &amp; accountant's statement re finance</b>
<b>Program and concepts: Cambrian phosphate</b>
<b>Location: The Barr Creek project is located approximately 120km NNW of Mt. Isa.</b>
The applicant <b>DOES / DOES NOT</b> need to submit further information to support the application. - Information requested in accordance with section 133A and at folio - Information provided on (see folio )

**Recommendations**

Yr	From	To	S/B Actual	Min Prop\$	Actual \$	Program	Report A- Annual	Comments
1			71			Geological & geophysical review Technical review Technical study Portable XRF analysis (~8,000 samples) Soil sampling (~250 samples) Mapping		<b>Recommend: Grant over initial area of 71 sub-blocks, standard conditions, term of 5 years.</b>
2			71			Interpretation studies Portable XRF analysis (~10,000 samples) Rock chip sampling (~250 samples) Mapping		
3			71			RC drilling (10 holes for ~1,000m)		
4			43			RC drilling (10 holes for ~1,000m)		
5			43			RC drilling (12 holes for ~1,200m)		

The Technical Assessment Checklist provides technical advice to the Delegated Authority on whether an application should proceed to grant. It offers a recommended course of action only and as such it should **not** be viewed as an approval document. All references to sections are references to the *Mineral Resources Act 1989*.

<b>TECHNICAL ASSESSMENT CHECKLIST, COMMENT &amp; RECOMMENDATIONS</b>	<b>Y, N</b>
--	-------------



APPLICATION SPECIFIC CHECKLIST		OR NA
Non-contiguous Sub-blocks	The application can proceed over non-contiguous sub-blocks.	N/A
Area in Excess	The application can proceed over an area in excess of that prescribed?	N/A
Statements	Is the information provided in the statements (required by s133(g) and (h) sufficient?	Y
Program of Work	Can the proposed program of work be approved in accordance with section 137(3) having regard to section 137(3A)?	Y
Conditions	Are there sufficient grounds to recommend the Minister impose conditions at grant?	N
Suitability of Applicant	There are sufficient grounds to recommend against grant under section 137(4) or 137(5) of the <i>MRA1989</i> .	N
Possible Grant Over Existing Tenure	Are there sufficient technical grounds to recommend under section 132(1) of the <i>MRA1989</i> that the tenure may be granted over other existing grants and applications for tenure under the Act?	N
Variation of Relinquishment Requirements	There sufficient technical grounds to support the recommendation of non-standard relinquishment requirements? (either s139(3) or s140(1))	N
Other Technical Matters	Are there any other technical matters that need to be raised?	N

#### RECOMMENDED STANDARD ADVICE IN LETTER OF OFFER

Compliance with the approved work program and expenditure commitments of this exploration permit is a condition of grant of this tenure. Failure to comply with this requirement will be taken into account in the assessment of any application for the renewal of this tenure and may also result in the cancellation of this tenure. Should exceptional circumstances mean that you are unable to reasonably meet these requirements, you are advised to seek a variation of these conditions as soon as you become aware that possible non-compliance is likely.	
<b>Other Advice</b>	

#### SIGN-OFF

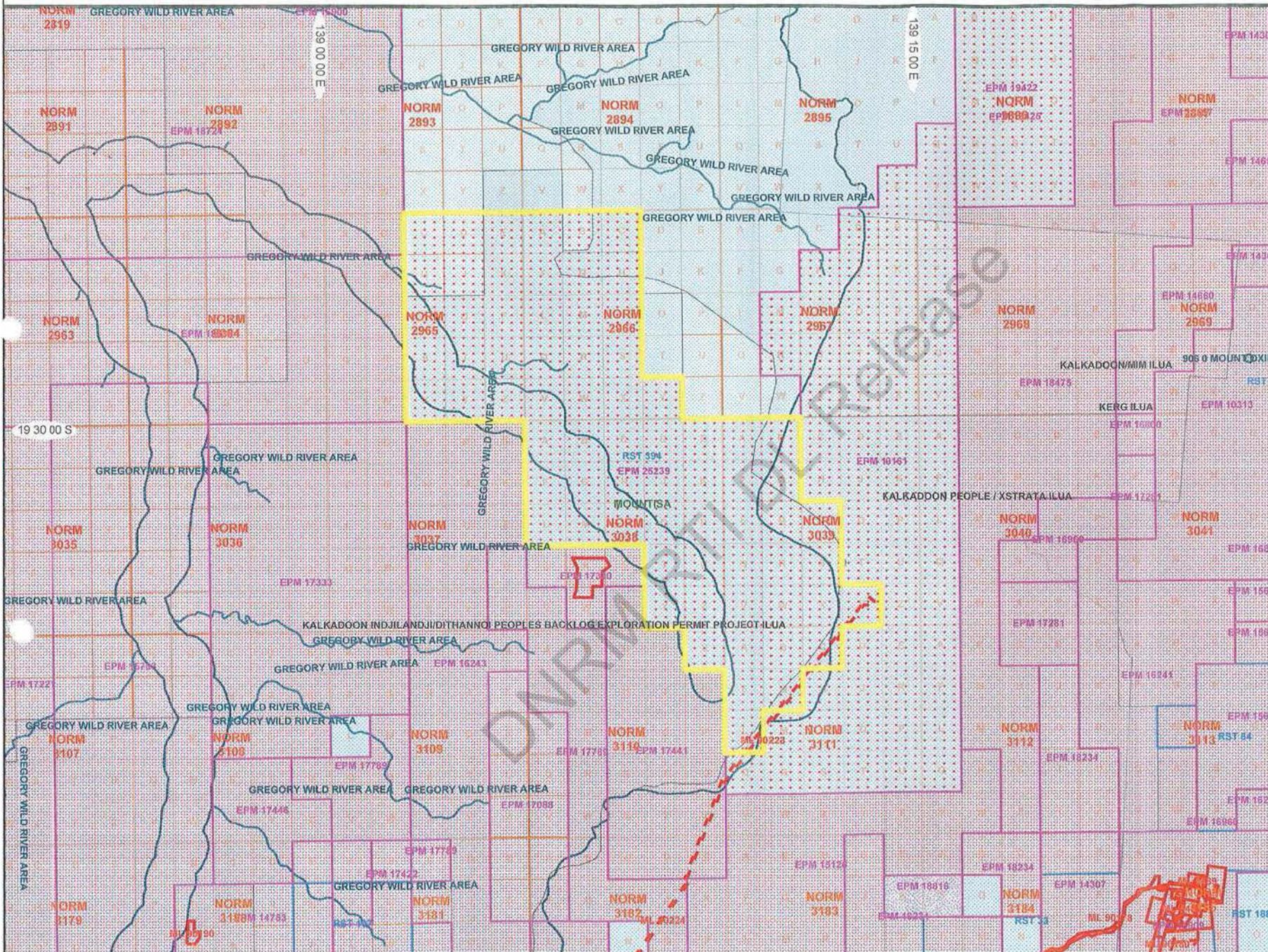
A technical assessment of the information supplied with this application has now been completed and it is recommended that the application proceed toward grant subject to any proposed terms and conditions listed above. <i>Print file, sign-off, forward to Tenures Management</i>					
<b>Signed</b>		<b>Date:</b>		<b>Title:</b>	<b>Geoscientist</b>
<b>Signed</b>	<b>Ian Rienks</b> <small>sch4 Contrary to public interest</small>	<b>Date:</b>	<b>7/5/13</b>	<b>Title:</b>	<b>Senior Geologist</b>

**Under Delegation from the Minister approve:**  
Pursuant to Section 144(1) of the *Mineral Resources Act 1989* that the security deposit be determined as Nil.

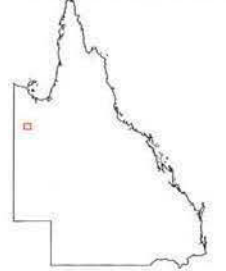
**Mining Registrar**  
**As delegate to the Minister**



Please turn over for legend



A3 From 256  
 Requested By: wilsonste  
 Date: 4/29/13 2:16:47 PM




























































Note - on small scale map prints, care should be taken when viewing features as their relative locations may not be discernable at that scale.

Users of the information recorded in this document (the Information) accept all responsibility and risk associated with the use of the Information and should seek independent professional advice in relation to dealings with property. Despite Department of Natural Resources and Mines' (DNRM) best efforts, DNRM makes no representations or warranties in relation to the Information, and, to the extent permitted by law, exclude or limit all warranties relating to correctness, accuracy, reliability, completeness or currency and all liability for any direct, indirect and consequential costs, losses, damages and expenses incurred in any way (including but not limited to that arising from negligence) in connection with any use of or reliance on the Information.

Projection: UTM (GDA94)  
 Zone: 54  
 Scale 1:161,476  
 0 2 4 6 km



# LEGEND

-  Block
-  Constrained Land
-  EPC Application [Nil]
-  EPC Application (Rejected) [Nil]
-  EPC Grant [Nil]
-  EPC Proposal [Nil]
-  EPG Application [Nil]
-  EPG Grant [Nil]
-  EPG Proposal [Nil]
-  EPM Application (Rejected) [Nil]
-  EPM Application
-  EPM Grant
-  EPM Proposal
-  EPP Application [Nil]
-  EPP Grant [Nil]
-  EPP Proposal [Nil]
-  EPQ Application [Nil]
-  EPQ Grant [Nil]
-  EPQ Proposal [Nil]
-  EPS Application [Nil]
-  EPS Grant [Nil]
-  EPS Proposal [Nil]
-  Geothermal Lease (GL) Application [Nil]
-  Geothermal Lease (GL) Grant [Nil]
-  Greenhouse Lease (QL) Application [Nil]
-  Greenhouse Lease (QL) Grant [Nil]
-  MC Application [Nil]
-  MC Grant [Nil]
-  MDL (Dead)
-  MDL Application [Nil]
-  MDL Grant [Nil]
-  ML Application
-  ML Grant
-  MORC [Nil]
-  MORM [Nil]
-  MORS [Nil]
-  Mining District
-  NT ILUA
-  Nom Area Coal [Nil]
-  Nom Area Mineral [Nil]
-  Notified Land [Nil]
-  PL Application [Nil]
-  PL Grant [Nil]
-  Potential Commercial Area EPP [Nil]
-  Potential Commercial Area PL [Nil]
-  Restricted Area
-  STATE [Nil]
-  Selected - EPM Application
-  Sterile Land
-  Strategic Cropping Trigger Areas [Nil]
-  Strategic Cropping Criteria Zones [Nil]
-  Strategic Cropping Protection Areas [Nil]
-  Strategic Cropping Subzones [Nil]
-  Sub-Block
-  Wild Rivers Flood Plain [Nil]
-  Wild Rivers Nominated Waterways
-  Wild Rivers Preservation Areas

DNRM RTI DL Release

Exploration Permit Application  
 Quality Assurance – Initial Assessment  
 MERLIN Data loading checklist  
 EXPLORATION PERMIT FOR MINERALS No.



2

MAIN SCREEN DEPARTMENT ENQUIRY SCREEN	Y	N	Comments
Permit type and number	/		
District of responsibility	/		
Status	/		
Native title category	/		
Holder name and address	/		
Share pct.	/		
Tenancy type	/		
HOLDER DETAILS SCREEN	Y	N	Comments
Tenure type and Number	/		
District of Responsibility	/		
Holder	/		
Share	/		
Status	/		
Deal in	/		
Date of Effect	/		
Deal out	/		
APPLICATION DETAILS SCREEN	Y	N	Comments
Tenure type and Number	/		
District of Responsibility	/		
District lodged	/		
Lodged date and time (Official use date and time page 10 of the application)	/		
Local authority	/		
Minerals sought	/		
PROPOSAL/ASSESSMENT SCREEN	Y	N	Comments
Tenure type and Number	/		
District of Responsibility	/		
Proposal term	/		
GRANT DETAILS SCREEN	Y	N	Comments
Tenure type and Number	/		
District of Responsibility	/		
Term	/		
Public remarks	/		
RELINQUISHMENT DETAILS SCREEN	Y	N	Comments
Tenure type	/		
District of responsibility	/		
Current area	/		
RENEWAL DETAILS SCREEN	Y	N	Comments
Tenure type and number	/		
Status	/		
TERMINATION DETAILS SCREEN	Y	N	Comments
Tenure type and number	/		
Status	/		

DRAFT FOR RELEASE



EXCLUSIONS SCREEN	Y	N	Comments
Tenure type and number	/		
District of responsibility	/		
Locality	/		
SUB-BLOCKS DETAILS SCREEN	Y	N	Comments
Tenure type and number	/		
District of responsibility	/		
BIM code	/		
Block number	/		
Total number of sub-blocks	/		
NT NOTICES SCREEN	Y	N	Comments
Tenure type and number – Distrib code- Deal code – “NTS” – Deal number received date – expected completion date -	/		
MI Detail No	/		
Distribution	/		
Dealings	/		
Register display	/		
Created date	/		
Dealing	/		
DEALINGS SCREEN	Y	N	Comments
Tenure type and number –District – Distrib - Deal code – “ASD” – Deal number received date – expected completion date	/		
Tenure type and number –District – Distrib - Deal code – “EPA” – Deal number received date – expected completion date	/		
Tenure type and number –District – Distrib - Deal code – “TAS” – Deal number received date – expected completion date	/		
Tenure type and number –District – Distrib - Deal code – “NTS” – Deal number received date – expected completion date <b>If the applicant has selected a NT process. Please update remarks with the requested process and close off record.</b>	/		
Tenure type and number –District – Distrib - Deal code – “APP” – Deal number received date – expected completion date	/		
SIE	Y	N	Comments
Shape loaded in SIE	/		
IRTM	Y	N	Comments
Shape loaded in IRTM	/		
AHR Address	Y	N	Comments
AHR Address	/		
Address correct (if No please change through EP details)	NA		
MyMinesonline support	Y	N	Comments
Changes required		/	
Please outline deficiencies			
Email deficiencies to <a href="mailto:Mines_Online@dnrm.qld.gov.au">Mines_Online@dnrm.qld.gov.au</a>			
Print Email and attach to checklist			
<b>Signed by Tenures Officer:</b> <span style="background-color: white; border: 1px solid black; padding: 2px;">sch4</span> Contrary to public interest			<b>Date:</b> 29/4/13
General Comments			



09/04/2013

Mr Michael Kind  
sch4 Contrary to public interest

#### **Application for exploration permit EPM 25239**

I refer to your application for an exploration permit, lodged on 09/04/2013 at Brisbane office.

The application has been accepted in the names of the holders you provided.

#### **What happens now**

We will now undertake an assessment of your application and you will be notified of the outcome. The assessment will involve a preliminary assessment; a technical assessment of the work program and financial and resource capacity; an assessment of the geology of the area and a review of the compliance history of the nominated holders (if relevant).

If you have any questions about your application, please contact the Mines Online helpdesk on +61 7 3237 1640 or email [mines\\_online@dnrm.qld.gov.au](mailto:mines_online@dnrm.qld.gov.au) and they can direct your enquiry.

#### **Have you registered for MyMinesOnline?**

You can now lodge and pay for an application online by registering with MyMinesOnline. We are continually rolling out new features and soon you will be able to change holder details, arrange transfers and more. To register, please visit the MyMinesOnline registration web site at <http://myminesonlineservices.business.qld.gov.au/userregistration/registeruser.aspx>

Yours sincerely,

Chief Executive's delegate  
Department of Natural Resources and Mines





**Report Summary:**

**Holder details**

<b>Authorised holder</b>	ACN 132 668 314 PTY LTD
<b>Other holders</b>	

**Permit details**

<b>Minerals sought</b>	All Minerals Other Than Coal	<b>Term</b>	5 years
<b>Permit name</b>	Barr Creek West Project		
<b>Strategic cropping land</b>	Not Applicable		
<b>Environmental authority</b>	Standard application for an environmental authority		
<b>Native Title</b>	Expedited		

**Area Description**

BIM	Block	Sub-blocks
Normanton	2965	C, D, E, H, J, K, N, O, P, S, T, U, X, Y, Z
Normanton	2966	A, B, C, F, G, H, L, M, N, Q, R, S, V, W, X, Y
Normanton	3038	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, T, U, Y, Z
Normanton	3039	A, B, F, G, L, M, N, Q, R, S, V, W, X, Y
Normanton	3110	E
Normanton	3111	A, B, C, F, G, L

**Unavailable land:** No

**Summary of permit area:**

<b>Total number of whole sub-blocks applied for:</b>	71
<b>Total number of whole sub-blocks unavailable:</b>	0
<b>Total number of whole sub-Blocks available:</b>	71



APPLICATIONS LODGED FOR EXPLORATION PERMITS

For Dates : 09-APR-2013 To 09-APR-2013

Tenure Id	Principal Holder	Bim	Block	<---- Sub Blocks ---->
EPM 25239	ACN 132 668 314 PTY LTD	NORM	2965 2966 3038 3039 3110 3111	CDE HJK NOP STU XYZ ABC FGH LMN QRS VWXY ABCDEFGHIJKLMN OP TU YZ AB FG LMN QRS VWXY E ABC FG L

s73 Irrelevant

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**APPLICATIONS LODGED FOR EXPLORATION PERMITS**

For Dates : 09-APR-2013 To 09-APR-2013

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Tenure Id	Principal Holder	Bim	Block	Sub Blocks	Status	Competing Tenure Id (s)
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DNRM RTI DL Release



## MyMinesOnline Permit Application Fee Receipt Details

**Application ID:** 10000216  
**Permit Type:** EPM  
**Permit No:** 25239

**Permit Name:** Barr Creek Project

**Permit Status:** Application

**Payment Channel:** Smart Services Queensland Online Payment Gateway  
**Payment Method:** Credit Card  
**Receipt No:** 1945853  
**Date of Payment:** 09/04/2013 10:54  
**Payment Status:** Authorised  
**Transaction ID:** 10000189

**Environmental Authority Fee:**  
Standard Application for an Environmental Authority

**EA Fee Amount:** \$551.00      **GST Amount:** \$ 0.00

DNRM RTI DL Release





Department of Natural Resources and Mines

Date: 09/04/2013

ABN: 59 020 847 551

Tax invoice

Received from: ACN 132 668 314 PTY LTD  
PO Box 170  
Canungra QLD 4275  
Australia

Details

Qty	Description	Amount \$	GST	Total \$
1	Exploration Permit for Minerals other than Coal	\$799.00	\$0.00	\$799.00
1	Native title multiple advertisement	\$909.09	\$90.91	\$1,000.00
1	Standard Application for an Environmental Authority	\$551.00	\$0.00	\$551.00
<b>Amount received</b>				<b>\$2,350.00</b>

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File:

Loose

Doc: MI11/

### Departmental Correspondence Action Sheet

1 [ ]

Date of Entry: / /

Urgent

Signature: [ ] [ ]

Routine

**ACTION OFFICER USE**

**DUE DATE:** / /

1. INITIAL ASSESSMENT COMPLETED

App sent to DEHP 29/4/13

2. PF

sw

3. MT

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Departmental Minute Prepared

- For necessary Action
- For Advice
- For Information
- Prepare Draft Reply
- Prepare Draft Reply my Signature
- Prepare Draft Reply D/G Signature
- Prepare Departmental Minute
- Prepare Ministerial Briefing
- No Action
- Copy Provided

Comments (if any)

**DESIGNATED OFFICER**

Signature:

Date: / /

**Received in Document Management**

**FINAL ACTION**

Departmental Minute Prepared

Yes  No

Comments

Signature:

Date: / /



# Application for Exploration Permit

Mineral Resources Act 1989  
From MMOL-01 Version 1

## Permit Application (ID 10000216 )

### PERMIT DETAILS

**Permit Name:** Barr Creek Project      **Term of Permit:** 5 Years  
**Resource Type:** Mineral or Coal  
**Permit Type:** Exploration Permit for Minerals other than coal  
**General Locality of the Application:** The Barr Creek project is located approximately 120km NNW of Mt. Isa.

### PERMIT HOLDER DETAILS

#### Holders for this Application

Holder	Percent Holding	Authorised
ACN 132 668 314 PTYLTD	100.000000000000	Yes

**Tenancy:** Sole Holder

#### Holder address details

ACN 132 668 314 PTYLTD

<b>Holder:</b> ACN 132 668 314 PTYLTD	<b>Address:</b>
<b>ACN:</b> 132668314	<b>Town/City:</b>
<b>E-mail Address:</b> sch4 Contrary to public interest	<b>State:</b>
<b>Business Number:</b>	<b>Postcode:</b>
<b>Mobile Number:</b>	<b>Country:</b> Australia

#### Authorised Holder Representative (AHR) Details

<b>Name:</b> Michael King	<b>Address:</b>
<b>E-mail Address:</b>	<b>Town/City:</b>
<b>Phone Number:</b>	<b>State:</b>
<b>Fax Number:</b>	<b>Postcode:</b>
	<b>Country:</b> Australia

#### Supporting Document(s)

Letter of authority - AHR

**PERMIT AREA**

Mining district(s): Mount Isa  
 Local government area(s): Mount Isa City  
 Total Number of Sub-Blocks: 71

**Sub-Blocks:**

BIM	Block	Sub-Blocks
Normanton	2965	C, D, E, H, J, K, N, O, P, S, T, U, X, Y, Z
Normanton	2966	A, B, C, F, G, H, L, M, N, Q, R, S, V, W, X, Y
Normanton	3038	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, T, U, Y, Z
Normanton	3039	A, B, F, G, L, M, N, Q, R, S, V, W, X, Y
Normanton	3110	E
Normanton	3111	A, B, C, F, G, L

**LAND AVAILABILITY REPORT**

**Overlapping Permits**

Number	Type	Holder	Status	Implication (for EPM/EPC only)
s.73 - Irrelevant				

**Unavailable Land**

**Constrained Land**

Constraint	Explanation	Details of constraint
Restricted Area 394	Restricted Areas are areas of land that have varying conditions and restrictions placed over them. The restrictions vary according to areas, but relate primarily to the nature and type of Mining or Geothermal activity which may be undertaken in this area.	This RA restricts specific types of mining tenements for all of Queensland under the Mineral Resources Act 1989. For full details of the restriction refer to the RA Register.
Wild Rivers-High Preservation Area	The area within and up to one kilometre each side of the wild river, its major tributaries and special off-stream features, such as floodplain wetlands.	Constrained under the Wild Rivers Act 2005. For more information contact the Environmental Regulator.
Wild Rivers-Nominated Waterway	Resource activities may be prohibited or limited in these waterways. Individual areas will contain different restrictions.	Waterways as nominated in the wild rivers declaration. Resource authorised activity will be limited or may be prohibited in a nominated waterway. Please review the declaration for each Wild Rivers area for further detail.

Conditional Surrender: No



**NATIVE TITLE**

Native Title Process: Expedited

Overpayment refund method: overpayment credited to the first year rent for the permit area

I confirm that we will not be undertaking activities that cause major ground disturbance: Yes

I confirm that we will comply with the Native Title Protection Conditions: Yes

Approval of the advertisement: Yes

**Native Title Advertisement**

Fee description	Fee Amount (\$)
Native title multiple advertisement	\$1,000.00

**OBLIGATIONS**

As the authorised holder representative, I understand and agree to the obligations associated with the permit:

Yes

**PAYMENT DETAILS**

Fee Type	Details	Amount (\$)
ADVREVB	Native title multiple advertisement	\$1,000.00
APPEPM	Exploration Permit for Minerals other than Coal	\$799.00
EPAMA2G	Standard Application for an Environmental Authority	\$551.00
<b>Total Fee:</b>		<b>\$2,350.00</b>

**OFFICE USE ONLY**

Received AT: \_\_\_\_\_

Received BY: \_\_\_\_\_

DATE: \_\_\_\_\_

TIME: \_\_\_\_\_

FEE Paid: \_\_\_\_\_

RECEIPT no: \_\_\_\_\_

**Disclaimer**

The Queensland Government is collecting information provided on and with this form to assess the suitability of the application for mining claim under the Mineral Resources Act 1989 (the Act). This information is authorised by sections 133, 387 of the Act. Some or all of this information may be provided to other agencies of the Queensland Government for issuing an environmental authority, to make register searches, extracts or copies under section 387B of the Act or to make other approvals as required under the Act. Your personal information will not otherwise be disclosed to any other third party without your consent, unless authorised or required by law.

DNRM RTI DL Release

**WORK PROGRAM**

**Proposed Work Program Schedule**

Year	Discipline	Activity	Unit (Cost)	Unit (Description)	Expenditure
Year 1	Desktop Studies	Geological and Geophysical Review	1 Days	1 Days	
Year 1	Desktop Studies	Permit Management and Technical Review	1 Days	1 Days	
Year 1	Desktop Studies	Technical Study	Days	Days	
Year 1	Geochemistry	Portable X-ray Fluorescence	Samples		
Year 1	Geochemistry	Soils	Samples	0 N/A	
Year 1	Mapping	Mapping	Days	0 N/A	
Year 2	Desktop Studies	Interpretation Studies	Days	Days	
Year 2	Geochemistry	Portable X-ray Fluorescence	Samples		
Year 2	Geochemistry	Rock Chips	Samples	0 N/A	
Year 2	Mapping	Mapping	Days	0 N/A	
Year 3	Drilling	Reverse Circulation	Metres	Holes	
Year 4	Drilling	Reverse Circulation	Metres	Holes	
Year 5	Drilling	Reverse Circulation	Metres	Holes	

sch4 Contrary to public interest

Year	Expenditure Summary	Per Sub-Block	Over Area (Sub-Blocks)
1			71
2			71
3			71
4			43
5			43

This screen provides a detailed list of the overlapping permits, restricted areas and other constrained areas that may impact the proposed permit application.

Total Field Expenditure:

Total Desktop Expenditure:

Total Expenditure:

**Rationale**

**Minimum Work Program Overview**

Mineore is focused on exploration and discovery of phosphate. The principal target on the Lady Jane East application is for high-grade phosphate deposits similar to the nearby Lady Jane deposit. The EPMA area is located within the Lawn Hill Platform of Western Fold Belt. The Myally Subgroup and the McNamara Group- the youngest sequence of Inlier, crops out extensively within the lease. Mineore is led into the area by previous explorers and the most recent holders of a large portion of the application area, Uramet and Legend International who both have noted the previous exploration results which demonstrate excellent potential for discovery of economic phosphate deposits. Surface sampling by Uramet returned results up to 32.8% P2O5. Much more recent field work by Uramet, including geological mapping and surface sampling resulted in the discovery of high-grade P2O5 at 2 prospects D-Eight and

Lancewood both are contained in the application area. The surface sampling does not appear

#### Minimum Work Program Year 1 Rationale

In Year 1 the company intends to initially refine the previous work by carrying out a detailed literature review, reprocess pre-existing airborne data and also process and interpret existing ASTER data. This will then enable field follow-up of initially historical areas for geochemical surveying of rock and soils that will extend beyond areas previously covered in an attempt to define additional new anomalous areas. This will be achieved by standard reconnaissance investigation techniques enhanced by the use of a latest model portable XRF that will enable field assay of a wide suite of economic and pathfinder elements. This survey will be backed up by limited laboratory check sampling. Following interpretation of the results prospect scale targeting will be planned for the second year.

#### Minimum Work Program Year 2 Rationale

In Year 2 a more prospect focused approach is envisaged once historical and expected new anomalous areas have been defined and preliminarily ranked from Year 1 activities. It is expected that suitable areas will have been defined from Year 1 for prospect scale geological mapping and ground based surveys that would be carried out concurrently. Following this all the new geophysical data will then be processed and modelled where appropriate. From this and combining the interpretation of the geochemical data collected earlier, the highest priority areas will then be planned for drilling in Year 3.

#### Research

##### Government Sourced Analysis

QDEX Report Number	QDEX Report Title
2687	Annual report on Exploration for 1968 (BHP South)
3404	Annual Report on Exploration for 1969 (A to P 528M - BHP South)
3405	Annual Report on Exploration for 1969 (BHP South)
11603	Report on Exploration Activity (A to P 903M - 1982)
13018	Report on Exploration Activity (A to P 903M for 1983)
15312	Report on Area Relinquished (EPM903M)
26622	Partial Relinquishment Report (May 1995)
65135	Partial Relinquishment Report

##### Privately Sourced or Developed Research Analysis

Private Research

##### Supporting Document(s)

#### FINANCIAL AND TECHNICAL CAPABILITY

##### Financial Capability

###### The permit holder/s for this application:

Holder/s have less than 10 years compliance history and/or 5 years exploration history

###### Provide details of any other exploration activity commitments you have in Queensland:

EPM Application 19424 - 5 year expenditure commitments. Contrary to public interest

###### Supporting Document(s)

Financial Capability Statement  
Supporting Evidence

##### Human and Resource Capability

###### Provide details of any other human and resource commitments in relation to exploration activity you may have in Queensland:

Please see attached statements.

###### Supporting Document(s)

Supporting Evidence  
Technical Capability Statement



# Environmental Authority

Environmental Protection Act 1994

## ENVIRONMENTAL AUTHORITY

This environmental authority application is: Standard application for an environmental authority

We are certifying that we meet the eligibility criteria and will comply with the standard conditions for the relevant activity.

Environmental Authority Project Name: Barr Creek Project

Mining application name: Barr Creek Project

Financial assurance: Financial Assurance - Less than 1 hectare, Low Risk

Financial assurance fee (\$): \$2,500.00

### Suitable Registered Operator Details:

Holder	Suitable Operator Status	Registration No.
ACN 132 668 314 PTYLTD	Registered	680288

### Fee summary

Fee type	Amount (\$)
Standard Application for an Environmental Authority	\$551.00

Supporting Document(s)

## STRATEGIC CROPPING LAND

Are you proposing to undertake any resource activity (including entry) on land that is designated as existing or potential SCL?:

No

## 1.0 SUMMARY OF EXPLORATION ACTIVITIES

### Previous Exploration

Historical assay results of 1960's sampling by Broken Hill South Ltd include:

- Drill hole – 6.9 metres averaging 21.6% P<sub>2</sub>O<sub>5</sub> from 19 metres
- Drill hole – 1.5 metres averaging 22.5% P<sub>2</sub>O<sub>5</sub> from 16 metres
- Outcrop – 35.7% and 35.2%

Assay results of outcropping rock sampled by Uramet at D-Eight and Lancewood contain up to 31.2% P<sub>2</sub>O<sub>5</sub> at D-Eight, and 32.8% P<sub>2</sub>O<sub>5</sub> at Lancewood.

Between 2006 and 2008, Uramet conducted a review of historic phosphate exploration data, as well as regional airborne geophysical surveys conducted across the area. The desktop review of data then led into several short mapping trips to various phosphate prospects on the tenement, where rock chip samples were collected for XRF analysis. All of the rock chip samples were taken on ground that has not been relinquished and therefore the results are not presented in this report.

In 2008, Legend reviewed the historic phosphate data and planned a Reverse Circulation drilling program that was implemented in July 2009. This program targeted historic phosphate prospects as identified by Broken Hill South Ltd. Of the 25 holes drilled as part of this program, 3 of the holes are located on the relinquished area of EPM15015 and the results from these holes will be detailed herewith.

BH South conducted a thorough exploration program across the Barr Creek area in the late 1960's to establish the northeastern extent of the Lady Jane and Lady Annie phosphate deposits. The Barr Creek region was mapped and was followed by a broadly spaced (approx. 600m x 600m) drilling program. The drilling program intersected significant thicknesses and grades of phosphate horizons in the Cambrian Beetle Creek Formation. It also indicated that the best potential for thick phosphate deposits was in the vicinity of Lady Jane and that the deposit thinned and on-lapped Proterozoic basement to the east; the area now covered by EPM15015.

More recently, Uramet completed some ground traverses and rock chip sampling across the Barr Creek area. Several chip samples returned high grade P<sub>2</sub>O<sub>5</sub> (>30%), confirming the presence of the Beetle Creek Formation at shallow depths in the western portions of EPM15015.

Table 1: Uramet Surface Samples

Sample No	Description	Prospect	MGA_E	MGA_N	P <sub>2</sub> O <sub>5</sub> %
BMRS003	phosphorite	Lancewood	301705	7837553	32.8
BMRW500	phosphorite	Lancewood	300961	7838395	29.9
BMRS018	phosphorite	D-Eight	306958	7834307	29.8
BMRS024	phosphorite	D-Eight	305630	7834080	31.2
BMRS033	weathered phosphorite	D-Eight	307954	7835297	24.0
BMRS044	silicified phosphorite	Trilobite	317348	7827001	4.7
3MRS046	weathered phosphorite	D-Eight	308583	7834604	18.2
BMRS047	weathered phosphorite	D-Eight	308796	7834217	17.5
BMRS048	weathered phosphorite	D-Eight	308821	7834262	16.1
TH01-c,e,f,g	phosphorite	D-Eight	307136	7834498	16.4
TH01-l,n	phosphorite	D-Eight	307015	7834088	14.7

Table 2: Historical Drill Results by Broken Hill South Ltd, 1968

Hole No.	Prospect	Thickness (m)		MGA_E	MGA_N	Average P <sub>2</sub> O <sub>5</sub> %
		Overburden	Phosphate			
PDH-LJ 3	D-Eight	16	1.5	309737	7833667	22.5
PDH-LJ 4	D-Eight	19	6.9	308070	7834437	21.6
PDH-LJ 5	D-Eight	30	2.3	307483	7833143	13.6

Note: Locations are approximate ±100m

Table 3: Significant Surface Samples by Broken Hill South Ltd, 1968

Sample No	Description	Prospect	MGA_E	MGA_N	P <sub>2</sub> O <sub>5</sub> %
OC-LJ 11	phosphorite	Lancewood	301494	7839072	18.1
OC-LJ 12	phosphorite	Lancewood	300969	7838771	35.2
OC-LJ 13	silty phosphatic chert	Lancewood	299724	7840856	23.6
OC-LJ 22	phosphorite	D-Eight	306853	7833694	23.5
OC-LJ	phosphorite	D-Eight	306898	7833929	35.7
OC-LJ 24	phosphorite	D-Eight	306923	7833934	24.3

Note: Locations are approximate ±100m

## 2.0 GEOLOGY

### 2.1 REGIONAL GEOLOGY

The mid-Proterozoic Mount Isa Inlier covers a large area in northwest Queensland. It is subdivided by major north-striking faults into three broad tectonic belts- Western Fold Belt (comprises of the Lawn Hill Platform, Leichhardt River Fault Trough and Myally Shelf), the central Kalkadoon-Leichhardt Belt and Eastern Fold Belt. The Kalkadoon-Leichhardt Belt consists of Ewen Block and the Kalkadoon-Leichhardt Block and is bounded to the east and west by the Pilgrim and Quilalar Fault Zones respectively. The Eastern Fold Belt is subdivided into the Mary Kathleen Zone, Quamby-Malbon Zone and the Cloncurry-Selwyn Zone (Blake 1987).

The Inlier consists of polydeformed and metamorphosed sequences of epicontinental clastic and carbonate sediments, mafic and, to a lesser extent, felsic volcanic rocks, granitic to granodioritic intrusions and mafic dyke swarms spanning from ~ 1900 to 1500Ma old. Its formation has been attributed to two early-mid Proterozoic tectonostratigraphic cycles. Remnants of the first cycle form the basement to the Inlier and were metamorphosed to amphibolites facies during the Barramundi Orogeny at ca. 1900-1870 Ma. Basement units comprise the Plum Mountain Gneiss in the east and the Yaringa Metamorphics, Saint Ronans Metamorphics and Kurbayia Migmatite in the west. The basement rocks are overlain by three cover sequences, each separated by a regional unconformity, and comprises sediments and volcanics that were subsequently deformed and metamorphosed to greenschist facies by the Isan Orogeny (ca. 1600-1500 Ma). A series of linear batholith scale granitic intrusive were emplaced contemporaneously with the deposition of the cover sequence.

The Inlier is overlain by Cambrian sediments of the Georgina Basin to the west and south and by the Mesozoic sediments of the Great Artesian Basin to the east.

### 2.2 LOCAL GEOLOGY

EPMA area is located within the Lawn Hill Platform of Western Fold Belt. The Myally Subgroup and the McNamara Group- the youngest sequence of Inlier, crops out extensively within the lease.

**Myally Subgroup:** The Myally Subgroup, a part of cover sequence 2, consists of predominantly feldspathic and quartz sandstones, minor dolomite and dolomitic sandstones, some tuff at the top and metabasalt near the base.

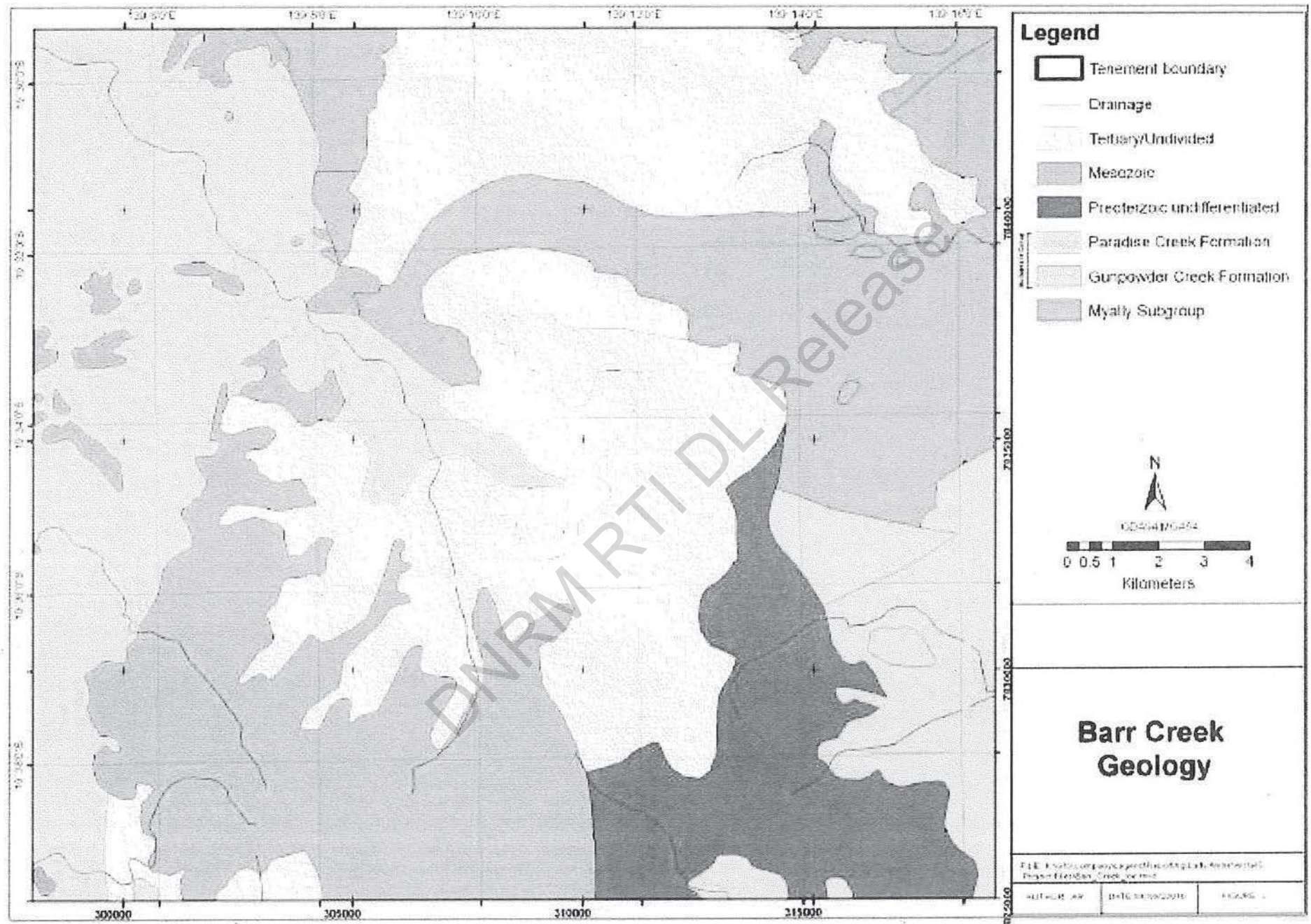
**McNamara Group:** The Paradise Creek Formation and Gunpowder Creek Formation together represent the McNamara Group in the project area. The McNamara Group belongs to cover sequence 3 comprised of fine sandstone, siltstone, dolomite and chert which are commonly stromatolitic.

The Proterozoic is overlain by a remnants of deeply weathered, poorly consolidated, medium grained quartzose sandstone and unconsolidated quartz sands with minor pisolites. The base of the Mesozoic is often marked by a pebble conglomerate, whilst the top of the sequence commonly consists of a ferruginous pisolitic duricrust. The thickness of the Mesozoic ranges between 15-25m.

The EPM covers southern part of plateau like geomorphic feature known as 'The Desert'. 'The Desert' is mainly covered with aeolian sand and Mesozoic sediments. Two westward flowing drainage channels, the Thornton River and Seymour River that partially drained 'The Desert' are focus of current exploration work. Historically, bulk stream sediment samples from upper reaches of these channels have yielded microdiamonds suggesting that their source lies on 'The Desert'.

The phosphate mineralisation, like the neighbouring deposits in the region is held within the Middle Cambrian sediments of the Beetle Creek Formation. The Beetle Creek Formation overlies moderately to steeply dipping middle Proterozoic sediments of the McNamara Group.







**MINEORE**

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ACN 129 178 865

2 April 2013

General Manager, Mining and Petroleum Operations  
Department of Natural Resources and Mines  
PO Box 15216  
Brisbane QLD 4001

Dear Sir

**Re: Mineore Pty Ltd Exploration Licence Applications (through its 100% subsidiary - ACN 132 668 314 PTY LTD) - Statement of financial resources**

I, Mr Michael King, as a Director of Mineore Pty Ltd and ACN 132 668 314 PTY LTD, have a full and comprehensive understanding of the current financial obligations and liabilities before the company.

I understand ACN 132 668 314 PTY LTD is submitting a work program to the Queensland Government for consideration that will require funding to be available over the next 5 years to support the program and to meet ACN 132 668 314 PTY LTD obligations to the State of Queensland should this application be approved.

In my capacity as a Director, I confirm ACN 132 668 314 PTY LTD has sufficient funding in place to meet approximately of the funding required to deliver the proposed work program, and should this application be successful, ACN 132 668 314 PTY LTD will be able to raise the additional prospective funding to meet the work program submitted.

In support of this application, I would ask the State to give regard to the company's prior ability to meet and fund its current work program obligations.

Regards

Michael King  
Director  
Mineore Pty Ltd  
ACN 132 668 314 PTY LTD



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27 March 2013

Department of Natural Resources and Mines

BY EMAIL: mines\_online@dnrm.qld.gov.au

Dear Natalie

**Re: Access to My Mines Online**

Please provide myself with the ability to access and deal with all mining tenure for Mineore Pty Limited and its subsidiary companies ACN 128 020 888 Pty Ltd and ACN 132 668 314 Pty Ltd.

I am the most appropriate person to hold access to My Mines Online for these matters.

My direct contact details are:

Title: Director  
Mineore Pty Limited

8 Gardner Close  
Milton Qld 4064 Australia

Phone : +61 7 3333 2989

Mobile: +61 (0) ~~7 3333 2989~~ Contrary to public interest

Fax : +61 7 3333 2988

e-mail :

Please contact me on \_\_\_\_\_ if you have any questions regarding this authority. The original of this letter has been mailed to you.

Kind regards

Michael King  
Director  
Mineore Pty Limited