

WATER LICENCE
Water Act 2000



Reference	86828R	Expiry Date	31/03/2022
Licensee	PEABODY (WILKIE CREEK) PTY LTD		
Authorised Activity	The taking of underground water from the Surat East 3 Management Unit (Great Artesian Basin) with the point of take under Lot 128 on DY317 and Lot 127 on SP250221. WILKIE CK COAL PROJECT.		
Authorised Purpose	Industrial		
Nominal Entitlement	600 Megalitres		

This water licence is subject to the conditions endorsed hereon or attached hereto.

Under the *Sustainable Planning Act 2009* a development permit may be required for operational works to take or interfere with the water described in this licence. The licensee must ensure that the relevant development approvals have been obtained prior to installing or constructing new or additional operational works.

Given at Toowoomba this THIRD day of AUGUST 2012.

A handwritten signature in black ink, appearing to read "Daniel Hunt".

Daniel Hunt
Acting Director-General
Department of Natural Resources and Mines

Water Licence: 86828R
Expiry Date: 31/03/2022

Conditions: Schedule B

SPEC01

The licensee shall install a high pressure airline or employ another suitable method to measure the Standing Water Level in the bore/s authorised under Works No/s 86828R, 94029R & 94110R. Standing Water Level measurements are to be taken three monthly and records submitted to the chief executive as requested.

RTI DL RELEASE - DNRM

3 August 2012

PEABODY (WILKIE CREEK) PTY LTD
PO BOX 646
DALBY QLD 4405

Dear Sir/Madam

Amendment of Water Licence: reference 86828R

Attached is a Water Licence issued in accordance with the provisions of the *Water Act 2000*.

client now an entity attached parcels are not required. Not all the bores are located on the Mining Lease so the location parcels need to remain on Lot 127 SP250221 and 128 DY317.

Please note that this Water Licence does not negate the requirement to obtain any other approvals or to enter into other statutory arrangements, such as those relating to Aboriginal and Torres Strait Islander cultural heritage, which may be required. In particular, the *Aboriginal Cultural Heritage Act 2003* and the *Torres Strait Islander Cultural Heritage Act 2003*, places a duty of care on anyone undertaking an activity to protect Aboriginal and Torres Strait Islander Cultural Heritage. Please refer to the attached information sheet for further information on this legislation.

If you have any further enquiries please call (07) 45291394.

Yours Sincerely

s.49 - Signature

Martin Moran
Senior Natural Resource Officer

DEEDI / DERM Complex
203 Tor Street TOOWOOMBA
PO BOX 318
TOOWOOMBA QLD 4350
Telephone +61 7 45291394
Facsimile +61 7 45291555
Website <http://www.derm.qld.gov.au/>
ABN 46 640 294 485

Preview of Investigation Report And Decision Amend LTW			
Form:	Investigation Report And Decision Amend LTW (496569)	Last Assigned User:	Martin Moran
Form Status:	Awaiting QA	Preview Date/Time:	02/08/2012 3:13 PM
Outcome:	Issued	Event Ref:	547844

Form Participants		
Client Ref	Client Name	Role
201546	PEABODY (WILKIE CREEK) PTY LTD	Holder

Proposed Amendments to the Water Entitlement

The proposed amendments are	Minor
Provide background matters for the proposed amendments	Land has been reconfigured by closure of a road necessitating the change of Lot 127 DY317 to Lot 127 SP250221, with a minor increase in area from 728.839ha to 732ha - need to update licence.

The information entered within the below field will be inserted within the covering letter and should detail the specific changes applied to this amended water entitlement.

The following amendments have been applied to this authorisation client now an entity attached parcels are not required. Not all the bores are located on the Mining Lease so the location parcels need to remain on Lot 127 SP250221 and 128 DY317.

Amend Client Name

Check the Client Person Name(s) on the Client Profile. If the name(s) do not match the application form, you must assign this form to your Workflow Administrator to amend the client name details prior to completing this form. Once the name change has been actioned the form will be reassigned back to you.

Has the client changed name	No
------------------------------------	----

Purposes

Industrial

Conditions

Approved

MARTIN JOHN MORAN

s.49 - Signature

2/8/2012

Schedule B

SPEC01

The licensee shall install a high pressure airline or employ another suitable method to measure the Standing Water Level in the bore/s authorised under Works No/s 86828R, 94029R & 94110R. Standing Water Level measurements are to be taken three monthly and records submitted to the chief executive as requested.

RTI DL RELEASE - DNRM

Source and Location of Water	
Specify the type of water and the location from which the water is to be taken or interfered with	
Source of Water and Technical Details	
Water Type	Underground
Basin Name	Balonne-Condamine Basin
Sub-basin Name	Condamine River Subbasin
Water Name	Hutton Sandstone
Water Code	4223.HUTTO
Hydraulic Type	Subartesian
Additional Location Description	WILKIE CK COAL PROJECT
Note: The 'Additional Location Description' will appear on the issued entitlement	
Technical Details	
AMTD	Kilometres
Lat	From 27° 3' 54.036"
Long	From 150° 56' 7.044"
Geographical Type	DCDB
Source Type	GPS
Datum	GDA94
Additional Information	
Bank	
Map Number	5485
Allocated Management Segment	
Comments	
Location of Water	
Parcel Type	Titled
Lot	128
Plan	DY317
ATS Title	12334127
Owner Name	PEABODY (WILKIE CREEK) PTY LTD
Local Government Name	WESTERN DOWNS REGIONAL

Is the applicant the owner of the land?	Yes
Is there Intervening land that is not owned by the applicant	No
Comments	
Location of Water	
Parcel Type	Titled
Lot	127
Plan	SP250221
ATS Title	50878076
Owner Name	PEABODY (WILKIE CREEK) PTY LTD
Local Government Name	WESTERN DOWNS REGIONAL
Is the applicant the owner of the land?	Yes
Is there Intervening land that is not owned by the applicant	No
Comments	

RTI DL RELEASE - DNRM

Is a Nominal Entitlement Required?	
Is a nominal entitlement required for this licence?	Yes

Recommendation	
Recommendation	Issue
Decision Made Under Section	219
Licence Expiry Date	31/03/2022
Current Nominal Entitlement	
Amount/Area	600 Megalitres
Maximum Extraction Rate	
Nominal Entitlement to be Granted	
Amount/Area	600 Megalitres
Maximum Extraction Rate	Litres Per Second
Allocation Class	Unsupplemented Water

Validate Data

Form History			
Date	Status	Set By	Comments
02/08/2012 2:50 PM	Awaiting QA	Martin Moran	Decision:[Delegate Set],
02/08/2012 2:50 PM	Awaiting Delegate	Martin Moran	Form completed by user.
02/08/2012 2:13 PM	In Progress	Martin Moran	Decision:[Delegate Not Set],
02/08/2012 2:12 PM	Awaiting Delegate	Lucie McLachlan	Decision:[QA Not Set],
02/08/2012 2:03 PM	Awaiting QA	Martin Moran	Decision:[Delegate Set],
17/07/2012 2:05 PM	Awaiting Delegate	Vanessa Marsh	Form completed by user.
17/07/2012 2:02 PM	In Progress	Vanessa Marsh	Form created.

16 March 2012

PEABODY (WILKIE CREEK) PTY LTD
PO BOX 646
DALBY QLD 4405

Dear Sir/Madam

Application for Renewal of Water Licence: reference 86828R, application reference 541721

Attached is a Water Licence granted in accordance with the provisions of the *Water Act 2000*.

Please note that this Water Licence does not negate the requirement to obtain any other approvals or to enter into other statutory arrangements, such as those relating to Aboriginal and Torres Strait Islander cultural heritage, which may be required. In particular, the *Aboriginal Cultural Heritage Act 2003* and the *Torres Strait Islander Cultural Heritage Act 2003*, places a duty of care on anyone undertaking an activity to protect Aboriginal and Torres Strait Islander Cultural Heritage. Please refer to the attached information sheet for further information on this legislation.

If you have any further enquiries please call (07) 45291394.

Yours Sincerely

s.49 - Signature

Vicki Bravery
Senior Administration Officer

DEEDI / DERM Complex
203 Tor Street TOOWOOMBA
PO BOX 318
TOOWOOMBA 4350
Telephone +61 7 45291394
Facsimile +61 7 45291555
Website <http://www.derm.qld.gov.au/>
ABN 46 640 294 485



10 JAN 2012

TOOWOOMBA

APPLICATION - WATER LICENCE RENEWAL
REF: 86828R

Please return this form to:
PO BOX 318 TOOWOOMBA
QLD 4350

(Please tick one box)

Application for renewal

[X] I/We apply for the renewal of this water licence and advise that the information provided is true and correct.

Notice of surrender

[] I/We hereby give notice of surrender of this water licence

Who must sign

Application for renewal: At least one person listed as a licensee on the water licence or their legal representative.
Notice of surrender: All persons listed as licensees on the water licence or their legal representative/s.

Print full name/s

Signature/s

Blair Jackson

s.49 - Signature

Position (if a Corporation) General Manager

Date 3/1/12

Contact and correspondence details

(Complete only if your contact details have changed.)

Full name / Company name PEABODY (WILKE CREEK) PTY LTD

If a Corporation please complete

ACN 007 683 454

Postal address PO Box 846 Dalby QLD 4405

Telephone (07) 4663 5555

Mobile

Facsimile (07) 4663 5549

Email

Current status of the licence

Has there been any use of the entitlement authorised by this licence since issue or last renewal? Yes [X] No []

If no, please provide comment:

Office use only

Reference 86828R
File reference TMB/515/004(1714)/3
Client reference 201546

Expiry date 31/01/2012
Event number
Registration date / /

541721

Aberdare Collieries Pty Ltd

19 January 2004

Adrian McKay
Department of Natural Resources and Mines
PO Box 318
TOOWOOMA, QLD 4350

Dear Adrian,

Kogan Bore Licence 87436R

I refer to our Kogan Creek Power Project letter of 30 October 2003 and your reply (ref T 1714) of 19 November 2003.

Please find attached an application for renewal of Aberdare Collieries' Water Licence number 87436R. At the same time as requesting this renewal, and in reliance on your letter of 19 November, Aberdare hereby requests a reduction in the Nominal Entitlement of this licence from 600ML to 300ML for the sole purpose of enabling Wilkie Creek to increase its Entitlement under licence number 86828R.

Should you have any queries on this matter please contact Tim Sharratt on telephone (07) 3222 9513, or mobile s.49

Yours sincerely [Redacted]

[Redacted]
s.49 - Signature

Chris Turnbull
Company Secretary

Dept Natural Resources
& Mines

21 JAN 2004

TOOWOOMBA



Author: Adrian McKay
File: T 1714
Unit: Water Management & Use
Phone: (07) 4688 1000

19 November 2003

CS Energy
Kogan Creek Power Project
GPO Box 87
BRISBANE Q 4001

ATT: Tim Sharratt

KOGAN AND WILKIE WATER LICENCES

In reply to your letter dated 30 October 2003 the following advice is given relative to your three queries.

1. The Department is not dealing with applications for new allocations from the Hutton aquifer and any increase in the Wilkie Water Licence (No. 86828R) is subject to relinquishment of existing allocation in the Hutton aquifer.
2. An equivalent quantity is required to increase an allocation by 300 megalitres per annum.
3. Any relinquishment of allocation by Aberdare will only be utilised on the basis of a current application by Peabody to increase its entitlement under Water Licence No. 86828R from 300 to 600 ML/a. Note the increase in entitlement is subject to a letter from yourself requesting amendment of Water Licence No. 87436R.

If you have any queries regarding this letter please contact Adrian McKay at this office.

Yours sincerely

s.49 - Signature

For Manager (Water Management & Use)
SOUTHWEST REGION
TOOWOOMBA

203 Tor Street
PO Box 318
TOOWOOMBA
Queensland 4350 Australia
Telephone + 61 7 4688 1000
Facsimile + 61 7 4688 1188
Website
www.nrm.qld.gov.au

KOGAN CREEK POWER PROJECT

30 October 2003

The Manager
Water Management and Use
Natural Resources and Mines
PO Box 318
TOOWOOMBA QLD 4350

Attention: Adrian McKay

Dear Adrian

Kogan and Wilkie Creek Bore Licences

I refer to Peabody (Wilkie Creek) Pty Ltd's bore Licence number 86828R, Aberdare Collieries Pty Ltd's bore licence number 87436R, and to the Peabody (Wilkie Creek) Pty Ltd application number 62321 to amend the Wilkie Creek licence so as to increase its entitlement from 300ML to 600ML per annum.

Under the terms of a co-operation deed between Aberdare and Peabody, Aberdare will assist Peabody in obtaining such an increase in its allocation, even to the extent of relinquishing up to 300ML of its own Kogan bore entitlement if necessary.

I would therefore ask that you confirm:

1. That a relinquishment of part of the Kogan entitlement is necessary in order for the Wilkie Creek entitlement to be increased.
2. The minimum ML quantity reduction necessary in the Kogan entitlement for an increase in the Wilkie Creek entitlement by 300ML.
3. That relinquishment by Aberdare of part of the Kogan entitlement will be utilised only for the purpose of increasing the Wilkie Creek entitlement.

I advise that providing item 3 above is confirmed, Aberdare will relinquish such Kogan entitlement as is necessary, up to a total of 300ML.

Yours sincerely,

s.49 - Signature

Tim Sharratt
Manager Infrastructure and Local Liaison.

Dept Natural Resources
& Mines

31 OCT 2003

TOOWOOMBA

RTI DL RELEASE - DNRM



Water Authorisation Details 86828R

The information contained herein is NOT an OFFICIAL RECORD and its accuracy is NOT GUARANTEED. Data displayed at time of printing may not reflect "as Issued" Authorisation.

**Queensland
Government**
Natural Resources
and Mines

Compiled in the Water Entitlements Registration Database (WERD) on
13 April 2002 5:34PM

Page 1 of 3

Licence	86828R	Current Status	Issued
Licensee	AQC (WILKIE CREEK) PTY LTD	Expiry Date	31/01/2004
Date of Original Issue	19/06/1990	Authorisation Type	Bore Licence

Description of Works

Takes underground water by the construction and use of a subartesian bore
Licensed Depth 759 metres
Location of Works 127/DY317

Purpose of Works Industrial

Nominal Allocation 0 megalitres

Land Supplied 127/DY317 and 128/DY317 and 130/DY458 and
162/RP865871

Last Issued at TOOWOOMBA on the NINETEENTH day of JUNE 1990

RTI/DY RELEASE - DNR/M

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Page 2 of 3



Licence Terms Schedule A

- 3-1.062 The chief executive may direct the licensee to carry out any protective cementings he considers necessary to exclude saline water or for any other purpose.
- 3-1.090 In the event of an artesian flow being obtained, the licensee shall carry out such works as the chief executive may direct to control the flow from the bore. The water shall not be distributed by bore drains but through valves and piping to tanks and/or troughing.
- 3-2.010A The chief executive or any person authorised by him shall have full and free access to the bore at all reasonable times for the purpose of carrying out any inspection or test of the bore and its fittings or of reading or repairing any water meter installed.
- 3-2.020A The licensee shall carry out any work or make any alteration deemed necessary by the Chief Executive for the protection or proper maintenance of the bore.
- 3-2.030A The licensee or his personal representative or his successor in interest shall notify the Chief Executive immediately of any change or divestment of interest in the land whereon the bore is constructed or proposed to be constructed.
- 3-2.042 If the bore is abandoned the licensee shall plug the bore with cement between such depths as the chief executive directs.
- 3-2.050 If the chief executive considers that pollution of the aquifer is occurring or may occur as a result of the manner in which water from the bore is being used, the licensee shall carry out such remedial measures as the chief executive may consider necessary to eliminate or prevent such pollution.
- 3-4.0102 The real property associated with this bore shall be L127/129 Plan DY317 & L130 Plan DY458 Parish of Miles, County of Derby ~Param2~
- 3-4.020 A water year shall be from 1st September to 31st August
- 3-4.042 After the completed bore is tested to the satisfaction of the chief executive, he shall prescribe the nominal allocation.
- 3-4.100 Should the real property associated with this bore be sold in part or in whole, the allocation shall be redistributed, reduced or revoked in a manner determined by the chief executive.

Authorisation Details 86828R

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Licence Terms Schedule A (continued)

- 3-4.130 The volume of water withdrawn in any water year shall not exceed the allocation.
- 3-5.014 Upon completion and equipping of the Waterworks Licence no. B 86828 the licensee shall at his own expense supply and install a water meter on the discharge side of the pump..
- 3-5.018 The meter/s shall be installed to the satisfaction of the chief executive.
- 3-5.020 The water meter shall be maintained at the expense of the licensee..
- 3-5.022 The licensee shall ensure that the meter is not removed for any reason without the written approval of the chief executive and the licensee shall ensure that no action is taken which results in the meter failing to correctly measure the volume of water withdrawn by means of the licensed work.
- 3-6.007 The licensee shall install in the bore a high pressure air line of a type and in a manner approved by the chief executive to monitor the effect of pumping from the bore.
- 5-5.070R The licensee shall record metered use monthly and forward the records to the Chief Executive annually..

End of Schedule A



Water Authorisation Details 94029R

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Compiled in the Water Entitlements Registration Database (WERD) on 13 April 2002 5:54PM

Page 1 of 3

Licence	94029R	Current Status	Issued
Licensee	AQC (WILKIE CREEK) PTY LTD	Expiry Date	31/01/2005
Date of Original Issue	10/08/1994	Authorisation Type	Bore Licence

Description of Works

Takes underground water by the construction and use of a subartesian bore
 Licensed Depth 979 metres
 Drilled Date 10/08/1994
 Location of Works 128/DY317

Purpose of Works Domestic Supply, Industrial

Nominal Allocation 0 megalitres

Land Supplied 162/EP865871 and 127/DY317 and 130/DY458 and 128/DY317

Last Issued at TOOWOOMBA on the FIRST day of JULY 1998

PTID/RELEASE-DNRM

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Compiled on 13 April 2002 5:54PM

Page 2 of 3



Licence Terms Schedule A

- 3-1.062 The chief executive may direct the licensee to carry out any protective cementings he considers necessary to exclude saline water or for any other purpose.
- 3-2.010A The chief executive or any person authorised by him shall have full and free access to the bore at all reasonable times for the purpose of carrying out any inspection or test of the bore and its fittings or of reading or repairing any water meter installed.
- 3-2.020A The licensee shall carry out any work or make any alteration deemed necessary by the Chief Executive for the protection or proper maintenance of the bore.
- 3-2.030A The licensee or his personal representative or his successor in interest shall notify the Chief Executive immediately of any change or divestment of interest in the land whereon the bore is constructed or proposed to be constructed.
- 3-2.042 If the bore is abandoned the licensee shall plug the bore with cement between such depths as the chief executive directs.
- 3-2.050 If the chief executive considers that pollution of the aquifer is occurring or may occur as a result of the manner in which water from the bore is being used, the licensee shall carry out such remedial measures as the chief executive may consider necessary to eliminate or prevent such pollution.
- 3-2.070 This bore may be used to supply a feedlot/piggery/poultry, etc only if the licensee is authorised in accordance with the Stock Act 1915-1989 and the licensee complies with the requirements of the Clean Waters Act of 1971-1988.
- 3-3.010 The supply of water from this bore shall be controlled to the satisfaction of the chief executive, by valves and piping to tanks and /or troughing without the use of bore drains.
- 3-4.0102 The real property associated with this bore shall be L127 & L128 DY317, L162 RP865871 & L130 DY458 Parish of Miles, County of Derby
- 3-4.020 A water year shall be from 1st September to 31st August
- 3-4.042 After the completed bore is tested to the satisfaction of the chief executive, he shall prescribe the nominal allocation.

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Page 3 of 3



Licence Terms Schedule A (continued)

- 3-4.054 The announced allocation (the proportion of the aggregate nominal allocation which may be used in any water year) of this and other waterworks supplying the same associated real property shall be as approved by the chief executive.
- 3-4.100 Should the real property associated with this bore be sold in part or in whole, the allocation shall be redistributed, reduced or revoked in a manner determined by the chief executive.
- 3-4.130 The volume of water withdrawn in any water year shall not exceed the allocation.
- 3-5.014 Upon completion and equipping of the Waterworks Licence no. 94029 the licensee shall at his own expense supply and install a water meter on the discharge side of the pump..
- 3-5.018 The meter/s shall be installed to the satisfaction of the chief executive.
- 3-5.020 The water meter shall be maintained at the expense of the licensee..
- 3-5.022 The licensee shall ensure that the meter is not removed for any reason without the written approval of the chief executive and the licensee shall ensure that no action is taken which results in the meter failing to correctly measure the volume of water withdrawn by means of the licensed work.
- 3-6.007 The licensee shall install in the bore a high pressure air line of a type and in a manner approved by the chief executive to monitor the effect of pumping from the bore.
- 5-5.070R The licensee shall record metered use quarterly and forward the records to the Chief Executive at the end of each quarter..

End of Schedule A



Water Authorisation Details 94110R

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**Queensland
Government**
Natural Resources
and Mines

Compiled in the Water Entitlements Registration Database (WERD) on
13 April 2002 5:55PM

Page 1 of 3

Licence	94110R	Current Status	Issued
Licensee	AQC (WILKIE CREEK) PTY LTD	Expiry Date	30/01/2004
Date of Original Issue	28/11/1994	Authorisation Type	Bore Licence

Description of Works

Takes underground water by the construction and use of a subartesian bore
Licensed Depth 742 metres
Drilled Date 31/08/1994
Location of Works 128/DY317

Purpose of Works Domestic Supply, Industrial

Nominal Allocation 0 megalitres

Land Supplied 127/DY317 and 130/DY458 and 162/RP865871

Last Issued at TOOWOOMBA **on the** TWENTY-EIGHTH **day of** NOVEMBER 1994

Authorisation Details 94110R

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Compiled on 13 April 2002 5:55PM

Page 2 of 3



Licence Terms Schedule A

- 3-2.010A The chief executive or any person authorised by him shall have full and free access to the bore at all reasonable times for the purpose of carrying out any inspection or test of the bore and its fittings or of reading or repairing any water meter installed.
- 3-2.020A The licensee shall carry out any work or make any alteration deemed necessary by the Chief Executive for the protection or proper maintenance of the bore.
- 3-2.030A The licensee or his personal representative or his successor in interest shall notify the Chief Executive immediately of any change or divestment of interest in the land whereon the bore is constructed or proposed to be constructed.
- 3-2.050 If the chief executive considers that pollution of the aquifer is occurring or may occur as a result of the manner in which water from the bore is being used, the licensee shall carry out such remedial measures as the chief executive may consider necessary to eliminate or prevent such pollution.
- 3-4.0102 The real property associated with this bore shall be L127/129 Plan DY317 & L130 Plan DY458 Parish of Miles County of Derby.
- 3-4.020 A water year shall be from 1st September to 31st August.
- 3-4.042 After the completed bore is tested to the satisfaction of the chief executive, he shall prescribe the nominal allocation.
- 3-4.100 Should the real property associated with this bore be sold in part or in whole, the allocation shall be redistributed, reduced or revoked in a manner determined by the chief executive.
- 3-4.130 The volume of water withdrawn in any water year shall not exceed the allocation.
- 3-5.014 Upon completion and equipping of the Waterworks Licence no. 94110 the licensee shall at his own expense supply and install a water meter on the discharge pipe from the bore..
- 3-5.018 The meter/s shall be installed to the satisfaction of the chief executive.
- 3-5.020 The water meter shall be maintained at the expense of the licensee..

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Compiled on 13 April 2002 5:55PM

Page 3 of 3



Licence Terms Schedule A (continued)

- 3-5.022 The licensee shall ensure that the meter is not removed for any reason without the written approval of the chief executive and the licensee shall ensure that no action is taken which results in the meter failing to correctly measure the volume of water withdrawn by means of the licensed work.
- 3-6.007 The licensee shall install in the bore a high pressure air line of a type and in a manner approved by the chief executive to monitor the effect of pumping from the bore.
- 5-5.070R The licensee shall record metered use monthly and forward the records to the Chief Executive annually..

End of Schedule A

RTI DL RELEASE - DIRM

Allied Queensland Coalfields Pty Ltd.
ABN 81 010 178 551
GPO Box 2256, Brisbane, Queensland, Australia 4001
Level 15, HSBC Bldg., 300 Queen St., Brisbane, Qld 4001
T +617 3839 2883 F +617 3839 2683 U www.mirant.com

22 April 2002

Adrian McKay
Department of Natural Resources & Mines
203 Tor Street
TOOWOOMBA QLD 4350



Dear Adrian

Water Bore Licences - Nos. B94110, G94029 and B86828

We refer to our recent discussions with your office in respect of the above licences issued to AQC (Wilkie Creek) Pty Limited.

We hereby request that you assign a water allocation of 300ML per annum, or such other higher allocation that the Department is able to grant, in respect of the above licences.

As you are no doubt aware, all three licences share the allocation.

If the allocation confirmed in response to this application is less than 600ML, please note that we will be applying for an increase in the allocation, to 600ML per annum.

Yours faithfully

for and on behalf of AQC (Wilkie Creek) Pty Limited

s.49 - Signature

Andrew Tod
General Manager

Mckay Adrian

From: Mckay Adrian
Sent: Friday, 15 January 1999 11:11
To: 'Buchbach, Doug'
Cc: Osbaldeston Jim; Titmarsh Geoff
Subject: RE: AQC Bores

Doug,

AQC currently have an in principle allocation to 600 ML ie. that allocation has been approved 'in principle' providing they can supply this amount. Currently their continuous pumping rate would supply 307 ML/annum. A decision on the remaining 'in principle' allocation is yet to be decided. It has been left open at this stage as we have been advising AQC that if they wish to secure the remaining allocation before other applications are made in the area, they should apply for new bore licences as an indication of a commitment on their behalf to develop up to this allocation level.

Conductivities for two of the deeper bores are 2300 and 2500 microsiemens/cm. I can fax you copies of the Water analysis we have on file if required.

All three bores have had a 100 hr pump test carried out and been analysed by the Department. I can send you the results. 100 hrs is a comprehensive pump test and unless there is problems with water entry into the bore or casing should be representative of the aquifer. We don't provide a pump testing service. A number of local operators are found in the Yellow Pages. Some names are Glen Palmer - Greenmount, Statewide Bore Testing Services - Pittsworth, Condamine Drilling - Toowoomba.

Regards

Adrian McKay
Senior Technical Officer
Darling Downs District
Toowoomba
Ph: (07) 4688 1030
Fax: (07) 4688 1188
Email: mckaya@dnr.qld.gov.au

From: Buchbach, Doug(SMTP:dbuchbac@austaenergy.com.au)
Sent: Friday, 15 January 1999 9:26
To: 'Mckay Adrian'
Cc: Jones, Roger; Pans, Des; Montagner, Franco
Subject: RE: AQC Bores

Adrian,
Thanks for the bore information on the Kogan Creek site bore
The flows from 2 of these - 2 & 2.5 L/s are fairly low

You indicated in our phone discussion on before Xmas, 16 December??
that the licence was for 300 ML with development to 600 ML

Our concern was that we should have a reliable supply of at least 300 ML
for construction water for the Project and that we may need some
standby equipped bores in case of bore or pump failure - It appears
from you advice that there is NO problem with some more holes as
standby and more could be drilled under the 600 ML

Are the values above for continuous operation of all bores

We may wish to check the capacity of the existing bores if there is any
doubt about the capacity We also need to know the water quality - a DNR
Report list quality of the Brigalow town bore at 1895 mg/L with high
Sodium Bicarbonate

Can you please advise who, maybe yourselves can provide bore

capacity testing , the time and costs involved

Doug Buchbach
Senior Consultant - Turbine Technology
AUSTA Energy
61 Mary St; Brisbane (PO Box 636, Q4001)
Ph 0732287355 Fax 3228 7385
Mobile s.49

>-----Original Message-----

>From: Mckay Adrian [SMTP:Adrian.Mckay@dnr.qld.gov.au]
>Sent: Thursday, 14 January 1999 11:31
>To: Buchbach, Doug
>Subject: AQC Bores

>
>Doug,
>equipped flow rates for three deep bores are as follows:

>
>1. 2.5 l/s
>2. 2 l/s
>3. 5.1l/s

>
>giving a total of 9.6 l/s = 307ML. Unfortunately I don't know which Licence
>No's these bores correspond to.

>
>Regards

>
>Adrian McKay
>Senior Technical Officer
>Darling Downs District
>Toowoomba
>Ph: (07) 4688 1030
>Fax: (07) 4688 1188
>Email: mckaya@dnr.qld.gov.au

RTI DL RELEASE - DNRM

3 June 1994



AQC (Wilkie Creek) Pty Ltd
GPO BOX 2256
BRISBANE Q 4001

Dear Sir/Madam

BORE LICENCE NO. B 86828
EXPIRY DATE: 30/06/1994

Please find attached an application form for renewal of the above licence for your completion.

Your attention is drawn to our letter of 17 February, 1994 notifying you of our intention not to renew this licence if no bore was constructed by this expiry date.

If a bore has been drilled under this licence, the licence can be renewed provided that the drilling log and sketch showing the location of the bore is forwarded with the renewal application.

Alternatively, if the bore has not been constructed, the licence will be cancelled unless you provide a satisfactory reason as to why it should not be cancelled. The reason should be set out on a separate sheet and returned to this office with the renewal application.

If no reply is received within 30 days, it will be assumed that you do not wish to have the licence renewed and it will be cancelled. It will then be necessary for you to apply for a new licence if you wish to proceed with the bore at some future date.

Yours faithfully

s.49 - Signature

for DISTRICT MANAGER
WATER RESOURCES, TOOWOOMBA.

*By Wendy
4/7/94*

Enquiries To: Miss Wendy Mathieson Your Ref: Our Ref: T 1714
566-572 Ruthven Street, PO Box 3180, Village Fair, Toowoomba Q 4350
Telephone: (076) 319 200 Facsimile: (076) 329 948

WATER RESOURCES

PR.C1



CERTIFIED

94 041
↑

^ONAME & ADDRESS^O^C

Dear Sir/Madam,

WATERWORKS LICENCE NO. ^OLICENCE NO.^O^C
EXPIRY DATE: ^ODATE^O^C

Attached is the above Waterworks Licence for a bore issued under the Water Resources Act 1989-90 together with a copy of the Licence for the Drilling Contractor and a supply of drilling log forms.

Your attention is drawn to the explanatory notes and to the conditions endorsed on the Licence.

The Licence has been issued for a period of twelve months and will be subject to renewal after that period either as proposed work if the bore has not been drilled or existing work if the bore has been completed and drilling logs have been submitted.

Should the works not be completed during the currency of this Licence, a further renewal a period of twelve months would be considered. Failure to complete the works after the second renewal period will result in you being asked to show cause why the Licence should not be cancelled.

Please note that in accordance with Condition ^OCONDITION NO^O^C the nominal groundwater allocation will be determined upon completion of the work and receipt of drilling logs. It is very important that the supply obtained is indicated on the logs.

It is also important that any production bore obtained not be equipped until drilling logs are submitted, supply tested and a nominal groundwater allocation determined. The procurement and installation of equipment prior to an allocation being approved is at the risk of the Licensee.

A nominal allocation of ^Oallocation^O^C megalitres may be approved providing the proposed work results in a supply rate capable of servicing the demand. Should a supply rate lower than that needed to meet the requirement be obtained, the nominal allocation will be determined on the basis of average pumping hours per water year at the supply rate or on the basis of a reduced requirement as determined by the Licensee.

The use of water from this bore for industrial purposes shall be in compliance with the management Guidelines for the Condamine groundwater management area.
Upon completion of the bore and the granting of an allocation, would you please contact Graham Maguire at our Pittsworth Office on 076 932131 to arrange for the supply and payment of a water flow meter for installation on the discharge side of the pump

Enquiries To: Mr. Ross Carruthers Your Ref: Our Ref: ^ORef^O^C
566-572 Ruthven Street, PO Box 3180, Village Fair, Toowoomba Q 4350
Telephone: (076) 319 200 Facsimile: (076) 329 948

WATER RESOURCES

If you are dissatisfied with the decision of the Chief Executive, you may appeal to the Land Court in accordance with Section 4.26 of the Water Resources Act 1989. A copy of Section 4.26 is enclosed and you are advised to read it carefully.

A notice of appeal must be filed in the Land Court registry within 30 days after the date of the notification of the decision. A copy of the notice must be served on the Chief Executive within 14 days after filing it in the Court. The notice of appeal must state the grounds upon which you intend to rely.

At such time and place as set down by the Land Court for hearing of any appeal, it would be necessary for you or your legal representative to appear and tender evidence in support of such appeal.

Your Licence is an important document and care should be taken to preserve it.

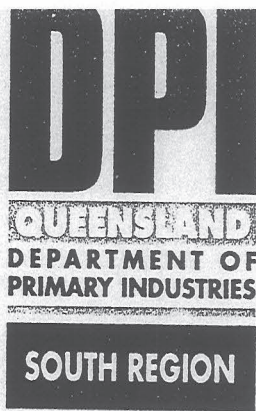
Yours faithfully,

for DISTRICT MANAGER
WATER RESOURCES
TOOWOOMBA

RTI DL RELEASE - DNRM

DEC 1993

D.O. File: T1714



Return completed and signed to:

District Manager
Water Resources
PO Box 3180, Village Fair
TOOWOOMBA Q 4350

APPLICATION FOR WATERWORKS LICENCE TRANSFERRAL
(GROUNDWATER FACILITY)

I hereby advise that I am now the owner/part owner of the undermentioned property and wish to have any licences for bore on that land transferred to the name(s) listed below in Section 3.

1. PROPERTY DESCRIPTION: (May be obtained from Rate Notice)

Lot 127 on Plan No DY317 Parish of Miles County of Derby

Lot 128 on Plan No DY317 Parish of Miles County of Derby

Lot 130 on Plan No DY458 Parish of Miles County of Derby

TOTAL AREA: 1848.29 hectares/acres *

2. NAME OF PREVIOUS OWNER(S): Marathon Petroleum Australia Limited

Was all or only part of this person's property purchased? All/~~Part~~/~~Only~~ *

NUMBER OF BORES ON THE PROPERTY: (a) Irrigation NIL (b) Stock NIL
(c) Domestic NIL (d) Unequipped NIL
(e) Abandoned NIL

TOTAL NUMBER OF USABLE BORES ON PROPERTY: NIL

LICENCE NUMBERS: (If not known, leave blank)

Irrigation: _____ Stock/Domestic: _____
INDUSTRIAL B 86828 (proposed)

Copies of original licence documents obtained from previous owner? ~~Yes~~/No *

Note: Please DO NOT return original licence(s) for endorsement. An amended licence will be issued.

3. FULL NAMES OF ALL NEW OWNERS/PARTNERS:

AQC (Wilkie Creek) Pty Ltd

POSTAL ADDRESS FOR SERVICE OF NOTICES: GPO Box 2256

BRISBANE QLD 4001

Postcode 4001

PHONE NUMBER: 229 7277

Yours faithfully

s.49 - Signature

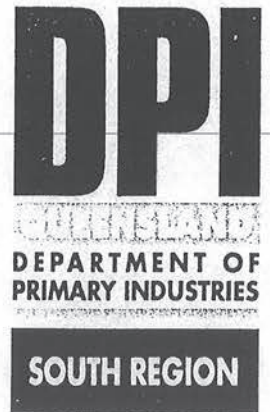
23.12.93
.....
(Date)

.....
(Signature of one of the owners in Section 3)

* Cross out whichever does

PTI/DI RELEASE - DNRM

28 May 1993



Macalister Mining Pty Ltd
PO BOX 470
SPRING HILL Q 4004

Dear Sir/Madam

BORE LICENCE NO. B 86828
EXPIRY DATE: 30/06/1993

Please find attached an application form for renewal of the above licence for your completion.

Your attention is drawn to our letter of 8 July, 1992 notifying you of our intention not to renew this licence if no bore was constructed by this expiry date.

If a bore has been drilled under this licence, the licence can be renewed provided that the drilling log and sketch showing the location of the bore is forwarded with the renewal application.

Alternatively, if the bore has not been constructed, the licence will be cancelled unless you provide a satisfactory reason as to why it should not be cancelled. The reason should be set out on a separate sheet and returned to this office with the renewal application.

If no reply is received within 30 days, it will be assumed that you do not wish to have the licence renewed and it will be cancelled. It will then be necessary for you to apply for a new licence if you wish to proceed with the bore at some future date.

Yours faithfully

s.49 - Signature

for DISTRICT MANAGER
WATER RESOURCES, TOOWOOMBA.

*B/Up Wendy
28/6/93 noted*

Enquiries To: Miss Wendy Mathiesen Your Ref: Our Ref: T 1714
566-572 Ruthven Street, PO Box 3180, Village Fair, Toowoomba Q 4350
Telephone: (076) 319 200 Facsimile: (076) 329 948

WATER RESOURCES

3rd Floor,
 67 St. Paul's Terrace,
 Spring Hill Q. 4000
 P.O. Box 470,
 Spring Hill Q. 4004, Australia.
 Telephone 7) 831 0147
 Fax 8) 832 2582

Macalister Mining Pty. Ltd.

A.C.N. 010 621 191

TOOWOOMBA DISTRICT	
D.M.	<input checked="" type="checkbox"/> <i>put</i>
ENG. SERV.	[Redacted Signature]
CPS	
SW	
GWD Free	
HYDROG	
CORP. SERV.	
VIARWICK	

OBIS
Please arrange
renewal to 30/6/94

[Redacted Signature]

June 18th, 1993

The District Manager
 Water Resources, Toowoomba
 P O Box 3180, Village Fair
 TOOWOOMBA QLD 4350.

Dear Sir,

Bore Licence No. B 86828

We write in response to your letter of 28th May, 1993 regarding the above Bore Licence. We wish to apply for a renewal of the Licence for twelve months. The formal application accompanies this letter.

As you will be aware, there has been no work done to date under this Bore Licence. Essentially because of the depressed state of the export coal market we have been prevented from raising sufficient funds to undertake drilling operations.

Although the market remains depressed there are some hopeful signs of recovery and hence the prospect of development. The source of water is extremely important to any project and must be ascertained at a very early stage of final evaluation. We view the Bore Licence and the drilling it permits as a vital part of this process.

In the near future it is anticipated that the company will inject new funds into the project because of the entry of a major new shareholder. The question of water supply, and consequently the drilling of the hole under the Bore Licence, will undoubtedly be addressed with some urgency.

We therefore request an extension of Bore Licence No B86828 for a period of twelve months.

Yours faithfully,

[Redacted Signature]

L P McTavish
 Manager Mining

enc.

PROCEEDING RELEASED UNDER DNRM



Department of
Primary Industries

Water Resources Commission

566-572 Ruthven Street, Commercial Union Centre, PO Box 3180, Town Hall, Toowoomba, Qld 4350
Telephone (076) 319 200, Facsimile (076) 329 948

Enquiries to	Mrs Kelli Hurst
Telephone	(076) 319 200
Your reference	
Our reference	T 1714
Date	20 May, 1992

Macalister Mining Pty Ltd
PO Box 470
SPRING HILL Q 4004

ATTENTION: MR D BROWN-KENYON

Dear Sir

BORE LICENCE NO. B 86828
EXPIRY DATE: 30/06/1992

Please find attached an application form for renewal of the above licence for your completion.

Your attention is drawn to our letter of 12 December, 1991 notifying you of our intention not to renew this licence if no bore was constructed by this expiry date.

If a bore has been drilled under this licence, the licence can be renewed provided that the drilling log and sketch showing the location of the bore is forwarded with the renewal application.

Alternatively, if the bore has not been constructed, the licence will be cancelled unless you provide a satisfactory reason as to why it should not be cancelled. The reason should be set out on a separate sheet and returned to this office with the renewal application.

If no reply is received within 30 days, it will be assumed that you do not wish to have the licence renewed and it will be cancelled. It will then be necessary for you to apply for a new licence if you wish to proceed with the bore at some future date.

Yours faithfully

s.49 - Signature

for DISTRICT MANAGER.

BU Kelli
19 6/92

Noted

s.49 - Signature



3rd Floor,
67 St. Paul's Terrace,
Spring Hill Q. 4000
P.O. Box 470,
Spring Hill Q. 4004. Australia.
Telephone (07) 831 0147
Fax (07) 832 2582

Macalister Mining Pty. Ltd.

A.C.N. 010 621 191

June 15th, 1992

The District Manager
Water Resources Commission
PO Box 3180, Town Hall
TOOWOOMBA QLD 4350.



TOOWOOMBA DISTRICT	
Q.M.	
EVS. SERV.	
GPS	
SW	
BW	s.49 - Signature
HYDROG	
CORP. SERV.	elli
WARWICK	

Dear Sir,

Bore Licence No. B 86828

In response to your letter of 20th May, 1992 regarding the above Bore Licence, we wish to apply for a renewal for twelve months. The formal application is enclosed.

To this date no work has been done under this licence because market conditions for the expected product coal have been unfavourable and, as a consequence, adequate funding has not been available.

It is intended to respond to the Queensland Electricity Commission which is currently seeking tenders for the supply of coal for new generating capacity. The source of water during both the construction and production phases of any resulting operation is extremely important and we see the Bore Licence as an integral part of any evaluation process.

We therefore request an extension of the Bore Licence for a further year.

Yours faithfully,

s.49 - Signature

D Brown-Kenyon
Manager Resources

Jim - Please arrange renewal of this licence for a further 12 months to 6/93 ASAP.

s78B(2) - Personal Information

I want to see document before sending.



Water Resources Commission

566-572 Ruthven Street, Commercial Union Centre, PO Box 3180, Town Hall, Toowoomba, Qld 4350

Telephone (076) 319 200, Facsimile (076) 329 948

Department of
Primary Industries

Enquiries to Mrs K Humberdross
 Telephone 319200
 Your reference
 Our reference T 1714 :WM
 Date 8 July, 1992

2/1 Phase BC

*ALLIED QUEENSLAND (LOCAL) L
 LEVEL 28 LOMALCO PLACE
 12 CREEK ST
 BRISBANE Qld 4000
 ATT PAUL RAYMENT*

Macalister Mining Pty Ltd
 PO Box 470
 SPRING HILL Q 4004

Dear Sir/Madam,

WATERWORKS LICENCE NO. B86828
EXPIRY DATE: 30/06/1993

Attached is the above Waterworks Licence for a bore issued under the Water Resources Act 1989-90.

Your attention is drawn to the explanatory notes and to the conditions endorsed on the Licence.

The Licence has been issued for a further period of twelve months and will be subject to renewal after that period if the bore has been completed and drilling logs have been submitted.

Please note that in accordance with Condition 4.042 the nominal groundwater allocation will be determined upon completion of the work and receipt of drilling logs. It is very important that the supply obtained is indicated on the logs. It is expected that comprehensive pump test data will be submitted.

The maximum groundwater allocation that will be considered is 600 megalitres per annum. In letter to you dated 13 February, 1990 agreement in principle to this maximum allocation was confirmed. Allocations up to this maximum volume will be determined and reviewed on the basis of actual supplies obtained from this and any further bores drilled.

Should the works not be completed during the currency of this Licence, ~~you will be asked to show cause why the Licence should not~~ ^{will} be cancelled.

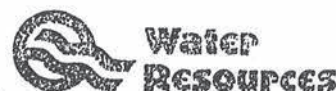
As your Licence is an important document, care should be taken to preserve it.

Yours faithfully,

[Redacted Signature]

s.49 - Signature

DISTRICT MANAGER



260.1.DBK:JC.

T 1714 GM:AJ

Mr Greg Murphy

---- 31 9200

23rd January, 1990

Manager - Exploration,
Macalister Mining Pty. Ltd.,
P.O. Box 470,
SPRING HILL. Q. 4004

Attention: Mr D. Brown-Kenyon

Dear Sir,

BORE LICENCES - MACALISTER COAL PROJECT

Receipt is acknowledged of your letter of 18th January, 1990 together with Bore Licence Applications covering the drilling of three bores to obtain an industrial and mining water supply from groundwater sources in the Luton and Precipice Sandstones.

It would be my intention to initially approve the drilling and use of two bores only to supply up to 300 megalitres per annum. Additional licences and allocation would be considered depending on results obtained from the first two bores, their location and the nature and location of other demands for groundwater from the same sources in the area.

It is noted that up to five (5) bores could eventually be required to service a maximum water requirement of 600 megalitres per annum with the mine at maximum production.

The submission of detailed pump testing data including water level behaviour in both production bores under independent and simultaneous test and production pumping will be necessary to provide sufficient data to assess aquifer response and to provide a basis for considering additional licences and allocation.

I will await your further advice concerning the points raised above before actually proceeding with licence issue. In reply would you please also forward a locality plan showing lease/property boundaries and the sites for the initial two bores to be drilled.

Please bear in mind that the Commission has approved a Bore Licence and a groundwater allocation of 240 megalitres per annum to Wambo Shire Council for feedlot development on Portion 126 Parish of Miles, located to the immediate south of Marathon's leases. Drilling sites should therefore be located as far north as possible on the leases to minimize potential pumping interference.

.../2

No drilling is to commence until licences have been issued.

If you have any enquiry please contact Mr Greg Murphy at this Office.

Yours faithfully,

s.49 - Signature

23/1

DISTRICT ENGINEER.

s78B(2) - Personal Information

s78B(2) - Personal Information

s78B(2) - Personal Information

23.1.90

Mr Sloman Smith
Personal return file to G. Murphy

s.49 - Signature

(e/r)

RTI/DL RELEASE - DNRM

MACALISTER MINING

PUMPING GEOMETRY

ASSUME :

T (transmissivity) = 100 m²/d

S (storativity) = 5 × 10⁻⁴

Q (discharge rate) = 15 l/s = 1300 m³/d

t (discharge period) = (1) 300 days (2) 3000 days

- r (drawdown radius) = (1) 1.4 km ✓
 (2) 14.0 " ✓
 (3) 8.0 " ✓
 (4) 12.0 " ✓
 (5) 20.0 " ✓

For $r' (1400m)$ $u = \frac{Sr^2}{4Tt}$
 $\alpha \quad t_1 (300 \text{ days})$
 $= \frac{5 \times 10^{-4} \times 1400 \times 1400}{4 \times 100 \times 300}$

$= 8.2 \times 10^{-3}$

$W(u) = 4.2346$

$S_w = \frac{Q}{4\pi T} \times W(u)$

$= \frac{1300}{4 \times \pi \times 100} \times 4.2346$

$= \underline{4.4 m} \quad (8.8m @ T = 50 m^2/d)$

PROJECT	FEATURE	SHEET No.	OF
DETAIL		FILE No.	

For r_1 (1400 m)
 & t_2 (3000 days)

$$\mu = \frac{5 \times 10^{-4} \times 1400 \times 1400}{4 \times 100 \times 3000}$$

$$= 8.2 \times 10^{-4}$$

$$W(\mu) = 6.5298$$

$$S_w = \frac{Q}{4 \pi T} \times W(\mu)$$

$$= \frac{1300}{4 \times \pi \times 100} \times 6.5298$$

$$= \underline{6.75 m} \quad (13.50 m @ T: 50 m^2/d)$$

For r_2 (4000 m)
 & t_1 (300 days)

$$\mu = \frac{5 \times 10^{-4} \times 4000 \times 4000}{4 \times 100 \times 300}$$

$$= 6.7 \times 10^{-2}$$

$$W(\mu) = 2.1917$$

$$S_w = \frac{Q}{4 \pi T} \times W(\mu)$$

$$= \frac{1300}{4 \times \pi \times 100} \times 2.1917$$

$$= \underline{2.3 m} \quad (4.6 m @ T: 50 m^2/d)$$

DES BY	DATE	CKD BY	DATE
--------	------	--------	------

RTI/DL RELEASE - DNRM

PROJECT	FEATURE	SHEET No. 3 OF
DETAIL		FILE No.

For r₂ (4000m)
 & t₂ (3000 days)

$$W = \frac{5 \times 10^{-4} \times 4000 \times 4000}{4 \times 100 \times 3000}$$

$$= 6.7 \times 10^{-3}$$

$$W(u) = 4.4351$$

$$S_w = \frac{Q}{4\pi T} \times W(u)$$

$$= \frac{1300}{4 \times \pi \times 100} \times 4.4351$$

$$= 4.6 \text{ m} \quad (9.2 \text{ m @ } T = 50 \text{ m}^2/\text{d})$$

For transmissivity in range 50 - 100 m²/d drawdown (head depletion) of 10m would be expected to occur over a distance of up to 4 km from a bore pumping @ 15 l/s for 3000 days continuously.

Aquifer ~ Hutton & Precipice.

2 x Such bores would ^{each} produce about 300 ML/d if pumped 15 hours per day; 365 days. This appears satisfactory. Bores (2) located 1400m apart would be subject to interference drawdown of about 13.5m.

s.49 - Signature

DES BY	DATE	CKD BY	DATE
--------	------	--------	------

T1714

Mr. Greg Murphy

xxxxx 319200

13th February, 1990

Manager - Exploration,
Macalister Mining Pty Ltd,
P.O. Box 470,
SPRING HILL. Qld 4004

Attention: Mr. D. Brown-Kenyon

Dear Sir,

Further to my letter of 6th February, 1990, please be advised that I agree in principle to the approval of a groundwater allocation of 600 megalitres per annum for mining and industrial purposes in connection with your proposed Macalister Coal Mine. You are advised however, that this allocation will be reviewed following completion of drilling and if it is not technically feasible to obtain this allocation from the bores drilled then the allocation will be reduced.

This allocation will be formally approved following receipt and consideration of amended licence applications as outlined in my previous letter.

Conditions attaching to issued licences will include cementing requirements, siting limitations, bore metering and water level monitoring.

Yours faithfully,

s.49 - Signature

DISTRICT ENGINEER

13/2/90

TO NOTE

WATER RESOURCES COMMISSION - OFFICE MEMO.

To: FILE 100 3/11 [Redacted] s.49 - Signature

From: G. Murray Date 9/11/90 File:

Copies to:

Subject: Proposed Bore-Macalister Mining Reference: _____

I contacted Dennis Brown - Kenyon on entire date re drilling of hole.

He is hopeful that hole will be drilled during March or April next year so that groundwater samples can be tested and if inadequate so that other sources of supply can be identified & investigated.

[Redacted] s.49 - Signature

RTI DL RELEASE DND

Subsequent Noting: _____

T 1714 GM:AJ

Mr Greg Murphy

---- 31 9200

6th February, 1990

Manager - Exploration,
Macalister Mining Pty. Ltd.,
P.O. Box 470,
SPRING HILL. Q. 4004

Attention: Mr D. Brown-Kenyon

Dear Sir,

Enclosed herewith are the two bore licence applications covering proposed bores on Portion 127, Parish of Miles. These applications should be in the name of Marathon Petroleum which holds freehold title over the subject property.

Before proceeding with final consideration of any of the applications submitted, including those on your behalf in the name of Mr T.J. Leahy, I will await your further advice.

As discussed, I would prefer to deal with these applications when your lease has issued from the Mines Department. If it is likely that the lease will issue before drilling is intended, then all applications submitted could be held in abeyance and amended to cover proposed bores in the name of Macalister Mining Pty. Ltd.

As previously indicated, I am prepared to initially approve the drilling and use of two bores only to supply up to 300 megalitres per annum for industrial use in connection with mining operations.

An increase in allocation to 600 megalitres per annum and the drilling of any additional bores to service this allocation would be considered on the basis of the results of the first two bores drilled. Should you require, for planning purposes, a commitment to the approval of the larger allocation before any bores are drilled please advise me.

To assist in consideration of a groundwater allocation please provide further information on the sources of alternative or supplementary supply and the nature and extent of investigation into these sources.

Yours faithfully,

s.49 - Signature

DISTRICT ENGINEER.

s.49 - Signature

s.49 - Signature

3rd Floor,
67 St. Pauls Terrace,
Spring Hill Q. 4000
P.O. Box 470,
Spring Hill Q. 4004, Australia.
Telephone (0) 7 3228
Fax (07) 32 2582

Macalister Mining Pty. Ltd.

260.1.DBK:JC.

January 29, 1990

Queensland Water Resources Commission
P.O. Box 3180, TownHall
TOOWOOMBA QLD 4350

Attention: Mr. Greg Murphy

Dear Sir,

Re: Water Bore Licences - Macalister Coal Project

I acknowledge receipt of your letter of 23 January, 1990 and enclose three locality plans to enable you to position the two proposed water bores. As you can see, our initial preference is to locate the bores on Portion 129 owned by Mr. T. Leahy. This is subject to negotiation with Mr. Leahy at present and the final location of the two bores will depend on the outcome of those negotiations.

I note your intention to approve, initially, the supply of 300 Mlpa. This is presumably based on information supplied in my letter of 22 November, 1988. As discussed with you on 29 January, 1990, since that time our planning has progressed to the stage where we are now proposing to scale production to reach, or be able to reach - depending on market conditions, 800,000 tpa by the end of the first year of mine operation.

This will require a guaranteed water supply of 600 Mlpa available in the first year of production and it is therefore essential to the project that the licences allow the supply of 600 Mlpa if technically possible. Supplementary and backup supplies are also being examined to achieve an overall water supply plan for the project.

I would appreciate your consideration of the above points and request that you delay the issue of any licences before further discussion. I will contact you in the near future as plans for the drilling progress. Please contact me if you have any queries regarding the above.

Yours faithfully,

s.49 - Signature

D. BROWN-KENYON
MANAGER - EXPLORATION

Encls.

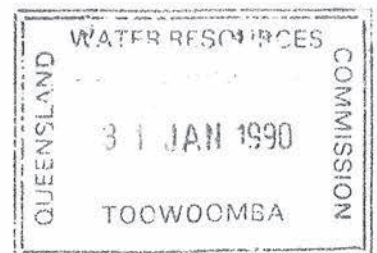
DISTRICT OFFICE		
OFFICER	NOTED BY	DATE
	✓ [Redacted]	3/1/90
	✓ [Redacted]	2/2
B/U TO:		
ON:		

s.49 - Signature

Please consider and discuss with me

s.49 - Signature

RTI/DL RELEASE - DNRM



3rd Floor,
67 St. Pauls Terrace,
Spring Hill Q. 4000
P.O. Box 470,
Spring Hill Q. 4004. Australia.
Telephone (07) 3228
Fax (07) 322582

Macalister Mining Pty. Ltd.

260.1.DBK:JC.

January 29, 1990

Queensland Water Resources Commission
P.O. Box 3180, TownHall
TOOWOOMBA QLD 4350

Attention: Mr. Greg Murphy

Dear Sir,

Re: Water Bore Licences - Macalister Coal Project

I acknowledge receipt of your letter of 23 January, 1990 and enclose three locality plans to enable you to position the two proposed water bores. As you can see, our initial preference is to locate the bores on Portion 129 owned by Mr. T. Leahy. This is subject to negotiation with Mr. Leahy at present and the final location of the two bores will depend on the outcome of those negotiations.

I note your intention to approve, initially, the supply of 300 Mlpa. This is presumably based on information supplied in my letter of 22 November, 1988. As discussed with you on 29 January, 1990, since that time our planning has progressed to the stage where we are now proposing to scale production to reach, or be able to reach - depending on market conditions, 800,000 tpa by the end of the first year of mine operation.

This will require a guaranteed water supply of 600 Mlpa available in the first year of production and it is therefore essential to the project that the licences allow the supply of 600 Mlpa if technically possible. Supplementary and backup supplies are also being examined to achieve an overall water supply plan for the project.


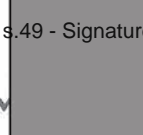
I would appreciate your consideration of the above points and request that you delay the issue of any licences before further discussion. I will contact you in the near future as plans for the drilling progress. Please contact me if you have any queries regarding the above.

Yours faithfully,

s.49 - Signature

D. BROWN-KENYON
MANAGER - EXPLORATION

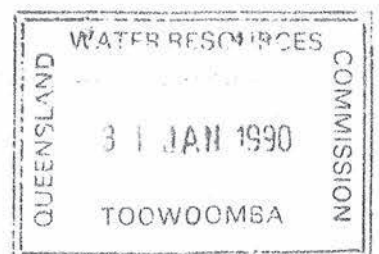
Encls.

DISTRICT OFFICE		
OFFICER	NOTED BY	DATE
		3/1
	s.49 - Signature	
		2/2
B/U TO:		
ON:		

Please consider and discuss with me

s.49 - Signature

PLEASE RELEASE - DIRM



3rd Floor,
67 St. Pauls Terrace,
Spring Hill Q. 4000
P.O. Box 470,
Spring Hill 4004, Australia.
Telephone (07) 832 3228
Fax (07) 832 2582

Macalister Mining Pty. Ltd.

260.1.DBK:JC.

January 18, 1990

Queensland Water Resources Commission
P.O. Box 3180, Town Hall
TOOWOOMBA QLD 4350

Attention Mr. A. Sloman

Dear Sir,

Re: Applications for Water Bore Licences

Please find enclosed three licence applications for water bores at our Macalister Coal Project, as discussed with you over the past few days.

Macalister Mining Pty. Ltd. has an agreement with Marathon Petroleum Australia, Ltd., the owner of Portion 127, allowing Macalister Mining to drill water bores on the property.

We are currently making enquiries as to any agreements needed for a water bore in the Road Reserve between Portions 129 and 139. Any agreement required will be forwarded as soon as possible.

We are planning to drill one or possibly two water bores. The exact number and location of the bores will not be known until pump testing of the first bore. We are therefore submitting a total of five applications (two to follow) to allow the maximum flexibility in location and bore spacing once our initial test results are known.

Please contact me if you have any queries regarding the above.

Yours faithfully,

s.49 - Signature

D. BROWN-KENYON
MANAGER - EXPLORATION

Encls.

Andy:-



QUEENSLAND WATER RESOURCES COMMISSION

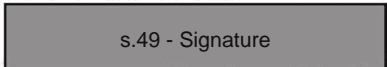
SCHEDULE III - ARTESIAN WORKS

APPLICATION FOR LICENSE

To the Commissioner of Water Resources

I, Dennis Brown-Kenyon of Macalister Mining Pty. Ltd.
PO Box 470, Spring Hill, in the State of Queensland, being the owner (or occupier) of land situated as hereunder
described and shown on the accompanying plan and upon which land is constructed (or it is proposed to construct and use) the
work hereunder described, do hereby apply for a license in respect of the said work , and to utilise the water obtained thereby
under the provisions of the Water Act 1926-1981.

Dated this 18th day of January 1990

 s.49 - Signature

Signature of Applicant

NAME AND ADDRESS OF APPLICANT	
Dennis Brown-Kenyon Macalister Mining Pty. Ltd. P.O. Box 470 SPRING HILL QLD 4004	
LOCATION OF WORK	
Portion	Road Reserve situated between Portions 139 and 129
Parish	Miles
County	Derby
NATURE OF WORK see footnote (a)	
New artesian bore/sub artesian bore	
DEPTH PROPOSED TO SINK	
920m maximum	
PARTICULARS OF CASING see footnote (b)	
0-91m - 10" steel casing; 91m-210m - 8" steel casing; 210m-TD - 6" steel casing. TD is expected to be either 625m (base of Hutton Sandstone) or 920m (base of Precipice Sandstone) maximum.	
STATEMENT OF THE PURPOSES FOR WHICH IT IS PROPOSED TO UTILISE THE WATER see footnote (c)	
Industrial - water supply to coal mining and processing operation.	
PERIOD FOR WHICH LICENSE IS REQUIRED	
Life of mine; expected to be approximately 15 years.	
APPLICANT TO STATE IF APPLICATION IS MADE FOR AN EXISTING WORK OR A NEW WORK . IF THE FORMER, WHEN COMPLETED	
New work.	

RTI/DL RELEASE - DNRM

QUEENSLAND WATER RESOURCES COMMISSION

SCHEDULE III - ARTESIAN WORKS

APPLICATION FOR LICENSE

To the Commissioner of Water Resources

I, Macalister Mining Pty. Ltd., of P.O. Box 470,
Spring Hill, in the State of Queensland, being the owner (or occupier) of land situated as hereunder described and shown on the accompanying plan and upon which land is constructed (or it is proposed to construct and use) the work hereunder described, do hereby apply for a license in respect of the said work , and to utilise the water obtained thereby under the provisions of the Water Act 1926-1981.

Dated this 18th day of January 1990... s.49 - Signature Signature of Applicant

NAME AND ADDRESS OF APPLICANT	Macalister Mining Pty. Ltd. P.O. Box 470 SPRING HILL QLD 4004
LOCATION OF WORK	Portion <u>127</u> Parish <u>Miles</u> County <u>Derby</u>
NATURE OF WORK <small>see footnote (a)</small>	New artesian bore/sub-artesian bore
DEPTH PROPOSED TO SINK	920m maximum
PARTICULARS OF CASING <small>see footnote (b)</small>	0-91m - 10" steel casing; 91m-210m - 8" steel casing; 210m-TD - 6" steel casing. TD is expected to be either 625m (base of Hutton Sandstone) or 920m (base of Precipice Sandstone) maximum.
STATEMENT OF THE PURPOSES FOR WHICH IT IS PROPOSED TO UTILISE THE WATER <small>see footnote (c)</small>	Industrial - water supply to coal mining and processing operation.
PERIOD FOR WHICH LICENSE IS REQUIRED	Life of mine; expected to be approximately 15 years.
APPLICANT TO STATE IF APPLICATION IS MADE FOR AN EXISTING WORK OR A NEW WORK . IF THE FORMER, WHEN COMPLETED	New work.

RTI/DL RELEASE - DNRM

FOR AMENDED BORE CONSTRUCTION. SEE DRILLING PROGRAM SUBMITTED SCHEDULE CORRESPONDENCE WITH MA 24 1990

s.49 - Signature 15/6/90



Queensland Water Resources Commission

PO Box 3180 Town Hall,
TOOWOOMBA QLD 4350.
Telephone (076) 32 1944

FACSIMILE MESSAGE

TO

FIRM NAME MMP Associates
FAX No. (07) 8322582
ATTENTION Mr D. Brown - Kanyon
TELEPHONE No.
YOUR FILE REF.

FROM

FAX No. (076) 329 948
NAME District Engineer
TELEPHONE No. (076) 321944
OUR FILE REF. 52/7
DATE 22/11/88

THIS TRANSMISSION COMPRISES THIS PAGE PLUS PAGES

Subject MACARISTRA COAL PROJECT - BORE INTO MUTTON SANDSTONE

Reference BORE LICENSE APPLICATION FOR COMPLETION FOLLOWS
PLEASE RETURN WITH FOLLOWING ADVICE

- 1) PROPOSED USE OF WATER, ANNUAL REQUIREMENT, ANTICIPATED DISCHARGE RATE, AVERAGE PUMPING HOURS DAILY
- 2) PROPOSED SITE OF BORE
- 3) LEASE AREAS PRESENTLY HELD
- 4) ✓ ✓ ✓ UNDER NEGOTIATION
- 5) LOCATION MINE SITE
- 6) NATURE OF ALTERNATIVE OR SUPPLEMENTARY SOURCES OF WATER SUPPLY
- 7) PROPOSED BORE CONSTRUCTION METHOD - CASING SIZES & LENGTHS & CEMENTINGS

s.49 - Signature

FOR DISTRICT ENGINEER.

Noted
s.49 - Signature 27/11

s.49 - Signature

3rd Floor,
67 St. Pauls Terrace,
Spring Hill Q. 4000
P.O. Box 470,
Spring Hill Q. 4004. Australia.
Telephone (07) 832 3228
Fax (07) 832 2582

Macalister Mining Pty. Ltd.

260.1.DBK:JC.

November 22, 1988

District Engineer
Queensland Water Resources Commission
P.O. Box 1380 Town Hall
TOOWOOMBA, Q. 4350

Dear Sir,

Re: Macalister Coal Project
Proposed Water Requirements

Following from our telephone conversation of November 22, 1988 I confirm the water requirements for our proposed mine at the Macalister site.

I am enclosing three plans to locate our area of interest. As you will be able to see our preferred bore location will be approximately 4 km north of the Condamine Highway and 1 km west of Wilkie Creek on Portion 129, Parish of Miles, County of Derby.

The preferred option for water supply to the mine site is as follows:

Total net water demand for the project which would allow production of 800,000 tpa is estimated to be 600 Ml/a.

Initial production is expected to be 400,000 tpa, requiring a water supply of 300 Ml/a for five years and would require a single bore to the Hutton Sandstone aquifers believed to be present at a depth of between 410 and 630m at the site.

A submersible pump with a capacity of 12 l/s is proposed for this bore. A second bore of similar capacity is proposed for an expansion to 800,000 tpa production requiring 600 Ml/a for a further fifteen years.

Preliminary studies indicate that the bore will consist of approximately 0-250m of 200 mm diameter casing with a further 375m of 125 mm slotted casing and/or screens to permit inflow. Pumps will be placed at around 200m depth. It is proposed to drill a pilot hole to confirm the presence of suitable aquifers and to enable a suitable bore to be designed. We expect at this stage to cement off or in some way to isolate the Walloon Coal Measures from the Hutton Sandstone to prevent aquifer waters from mixing.

Handwritten: Mary

Handwritten: [Redacted]

(1) G. Murphy - Personal Information s78B(2) - Personal Information

Handwritten: please discuss with S Morcy to see what approvals the company have for the proposed works...2 We may need to advise them of the licensing requirements? 9 Nov 23/11 - No mining operations refer to reply plan 12/11.

-2-

Water will be stored at the site in a 50 Ml earth ring tank (approx. two months supply).

An emergency supply of water could be available if a low level weir was constructed on Wilkie Creek as part of road access works. This weir would hold 30 Ml when full. Studies have also been completed for a larger weir on Wilkie Creek with a top water level of RL 317. This would store up to 380 Ml and could take, on historical data, up to two years to fill.

All our proposals are at the advanced planning stage and the Macalister Project is currently awaiting suitable market and industry conditions to enable it to proceed.

Macalister Mining Pty. Ltd. are the holders of Mining Lease Application MLA 106 (Roma) covering our proposed area of operations. The ground is also held by Marathon Petroleum Australia, Ltd. under Authority to Prospect 6CR. Macalister Mining manage Marathon's coal interests in Queensland and have Marathon's consent to apply for a Mining Lease in the area covered by their Authority to Prospect.

If you require further information regarding the Macalister Coal Project please do not hesitate to contact the undersigned. I would very much appreciate being kept informed of the progress of the feedlot proposals insofar as they impact on the water supply to our proposed mine.

Yours faithfully,

s.49 - Signature

D. BROWN-KENYON
MANAGER EXPLORATION

Encls.



G.P.O. Box 2454 Brisbane Queensland 4001,
Mineral House, 41 George Street,
Telephone (07) 224 2111 Telex 41761

FACSIMILE MESSAGE

TO
FIRM NAME R.E. - S.W. REGION
FAX No. (076) 329948
ATTENTION MR. G. MURPHY
TELEPHONE No. (076) 321947
YOUR FILE REF.

FROM
FAX No. (07) 221 9312
NAME B. R. PEARCE
TELEPHONE No. (07) 224 7252
OUR FILE REF.
DATE 23. 11. 88

THIS TRANSMISSION COMPRISES THIS PAGE PLUS PAGES

Subject MACALISTER STEAMING COAL PROJECT
Reference ENCLOSED PLEASE FIND CORRESPONDENCE AS
DISCUSSED TODAY
B. R. PEARCE

RTI DL RELEASE DNR/M

s.49 - Signature

8649

land. 4000

221 1287

Macalister Mining Pty. Ltd.

260.1.PDW:JC.

September 29, 1986

The Secretary
Queensland Water Resources Commission
G.P.O. Box 4254
BRISBANE 4001

Q.W.R.C. RECORDS	
Document Received	
= 1 OCT 1986	
File No.	6253
File Location	R 20686
Action By	s.49 - Signature

Dear Sir,

Re: Macalister Steaming Coal Project

Thank you for your letter of 26th June, 1986, outlining the requirements of the Commission with respect to the water supply for the above project. This letter is to advise you on the current status of the project.

Currently we are negotiating with the Treasury on the rail freight for the project and it now appears that the commitment date for the project will be deferred. However, the project is very well advanced technically and we are confident that the project will proceed in the foreseeable future.

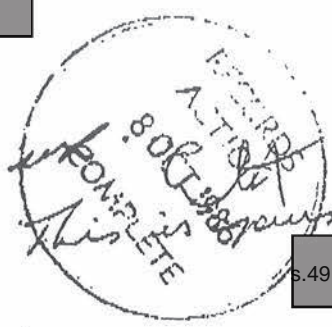
We will keep in contact and will advise you of any developments.

Yours faithfully,

s.49 - Signature

P.D. Wruck
General Manager

S.E. F.P.



s.49 - Signature 5/10/86

Handwritten notes and signatures at bottom left.

s.49 - Signature 6.10.86

Bore supply

Company intends developing a bore to provide their main supply.

Information was provided on bore licensing procedure and it was pointed out that any license issued would be in the name of the legal owner of the land, and that if Macalister Pty Ltd did not own the land on which the bore was to be sunk, an agreement with the legal owner would have to be drawn up.

(b) Weir Supply

The Company intends constructing a weir on Wilke Ck at approx. AMTD 8.4 km. A preliminary study showed that this weir could store up to 280 ML within the banks without causing afflux problems. The likely capacity of the weir will be 180 ML. The Company wishes to construct the embankment on the road reserve at the northern boundary of Por. 129, so that the crest would become part of the haul road from the mine to Brigalow railway siding. The storage would back water up Wilke Ck at least as far as Portions 142 and 143. Mr Wruck said that he intended having discussions with the owners of these properties with the intention of coming to some sort of agreement regarding the ponding of water in their properties.

As construction of this proposed weir would pose a number of problems it was agreed that the Company should set out its intentions by letter to the Commission, so that advice could be provided on the following points.

- (a) Desirability of ultimate Q.W.R.C. ownership of weir
- (b) Construction of weir in road reserve
- (c) Ponding of water in properties upstream of weir

s.49 - Signature

SENIOR ENGINEER, FORWARD PLANNING.

Notes on Meeting

File 6253

with MacAlister Mining Pty Ltd
regarding Proposed Macalister Mine

Monday 19th May 1986, Messrs Adrian Ryan and Paul Wruck, both directors of MacAlister Mining Pty Ltd met with Peter Thompson, John Hillier, Kevin Baxter and Greg Hausler of Q.W.R.C. to discuss water supply for a mining development near Macalister.

Macalister Mining Pty Ltd was formed by four people previously involved with the Marathon Project. The Company intends establishing a small mine in its own right adjacent to land held by Marathon Petroleum. The mining development will be separate from and will not interfere with the Marathon development proposals.

Some general information regarding the mine development was obtained, and is as follows.

Location - Eastern part of portion 129 Parish of Miles (see plan attached)
Proposed Lease area is about 600 ha

Type of Mine - Open Cut Coal Mine producing steaming coal.
Working depth 30 - 40 m.

Production - Planned at 400 000 to 800 000 t.p.a.
(maximum 1.2 x 10⁶ t.p.a.)

Life of Mine - Planned at 10 years

Planned Start-up - 2nd half of 1987. Water supply required by end of 1986

Workforce - 35 to 70 - Housed at Dalby

Water requirements - 300 to 750 ML/yr (mainly for coal washing at site)

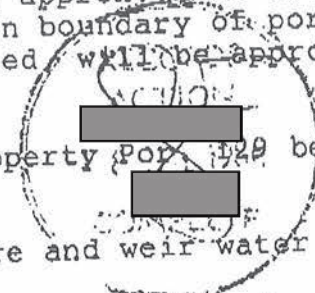
Proposed Source of Water Supply

- * (a) Main supply - Bore (or bores) into Hutton/Precipice Sandstone.
- (b) Supplementary supply - Weir on Wilke Ck at approx. AMTD 8.4 km (proposed on a road reserve at the northern boundary of portion 129). Capacity of this weir, if constructed will be approx. 180 ML.

The Company intends purchasing part of the property (Port 129) before commencing mining.

There were several inquiries regarding the bore and weir water supply proposals. These are mentioned below.

Copy 2/88 for consent - for your information
A/AC/WR
 A/ [Redacted] S
 6.49 - Signature



R. Ryan D.P.O. 20.5.88

6253
Plan 22-5.86
MHD

Queensland Water Resources Commission

GPO Box 2454
Brisbane
Queensland 4001

References
Telephone 224 7360

Mr G Hausler
86/6253

26th June 1986

Manager - Engineering
Macalister Mining Pty Ltd
G.P.O. Box 687
BRISBANE QLD 4001

ATTENTION: MR A.J. RYAN

Dear Sir,

MACALISTER STEAMING COAL PROJECT

I refer to your letter of 21st May and to your earlier discussions with officers of this Commission regarding water supply to your proposed open cut coal mine near Macalister. You have indicated that a water supply of 300 to 750 megalitres per annum will be required for dust suppression and coal washing at the proposed mine, and that you have planned for this supply to be obtained from a bore (or bores) tapping the Hutton and Precipice Sandstones near the mine. You have also indicated that you plan to construct a weir on Wilke Creek to provide a road crossing and to supplement the bore water supply.

This letter provides advice on three matters, namely: The proposed artesian bore, the weir on Wilke Creek and the tailings dam.

ARTESIAN BORE

You have been provided information by letter of 28th December, 1985 on the prospects for obtaining a supply from a bore tapping the Hutton and Precipice Sandstones. It was indicated in this letter that use of this supply for industrial purposes would be permissible in view of the small number of stock bores in the area which tap these aquifers and because the supply would be for a relatively short period of time.

Even though permission has been given to take water from these aquifers, if the taking of water adversely affects the supplies of the existing users then the Company will be required to restore such supplies.

D.W.P.D. (Attw Mr. P. Thompson)

For Your Information

Telex 41761

Mineral House, 41 George Street, Brisbane

the Macalister area is located within the proclaimed area of the Great Artesian Basin, a bore license will be necessary before drilling can commence. The driller employed to construct the bore must be licensed by the Commission as an artesian driller.

Bore licenses can be issued only to the legal owner or occupier of the land. If your company does not own the land on which the bore is to be constructed, it will be necessary for it to enter into an agreement with the owners of the land. All legal agreements attract stamp duty, and once this has been paid the agreement must be registered with the Commission. The registration fee is \$0.50. The agreement should be made for a specific term.

Formal application for an artesian bore license should be made to the Regional Office of the Commission at Toowoomba whose address is given at the end of this letter. If and when approved the Regional Engineer would set a number of general conditions. These would include the following:-

1. The licensee shall arrange for the driller to compile a report on the works carried out including any test holes, on Commission forms and to return them promptly to the Commissioner.
2. The licensee shall forward to the Commissioner for chemical analysis samples of all waters encountered during drilling, and a sample taken after the final testing of the bore. Samples shall be approximately one litre in volume and shall be labelled stating license number and depth from which sample was obtained.
3. If the bore is abandoned the licensee shall plug the bore with cement between such depths as the Commissioner directs.
4. The outer casing shall be pressure cemented from at least 100 m below ground level to surface. Drilling shall not be continued below a depth of 100 metres until the outer casing has been cemented. The Commissioner may direct the licensee to carry out further protective cementings that he considers necessary to exclude saline waters or for any other purpose.

The permission to drill has a cementing requirement but this may be varied according to the conditions found at the site when drilling commences.

* The Regional Engineer at Toowoomba should be notified when drilling is about to commence. He may wish to have an officer on site during the initial construction. It is Commission policy to observe, and if requested, provide advice on the cementing of artesian bores. The Regional Engineer at Toowoomba should be given a minimum of 24 hours notice so that he can arrange for an officer to be present for each cementing.

When the bore is completed and the driller's report has been submitted to Toowoomba, a bore license will be issued. The bore license will include all the operational requirements which will pertain to the bore. Typical conditions are shown on the enclosed sheet. Issue of a formal license would take approximately one month after the driller's completion report has been received.

The actual license conditions used in the license would depend on the legal title holder of the land at the time of issue of the license. If the Company is the legal title holder of the land then the provisions of the license would be similar to those enclosed. If the Company is not the legal title holder of the land, then the provisions would need to be altered and would include any agreement between the Company and the landowner concerning the use of the bore.

The enclosed conditions are intended to provide a guide only at this stage.

WEIR ON WILKE CREEK

A waterworks license will be required for the construction of the proposed weir on Wilke Creek. As waterworks licenses are issued in the name of the owner or legal occupier of the land on which the works are to be situated, an application could only be accepted from your Company if it had rights to occupy the land at the weir site. Otherwise, as the weir is planned to be constructed within a Council road reserve, a license would need to be issued in the name of the Wambo Shire Council. In this case, your Company would have to reach some form of agreement with the Council regarding construction and maintenance of the weir, and its future use following cessation of the proposed mining project.

As the weir will back water up Wilke Creek into adjoining properties, the application for a waterworks license will need to be accompanied by written agreements between the landholders affected and the license applicant permitting the Company to inundate part of the landowner's property through the construction of the weir. It should be noted that if a change of ownership occurred, the new landholder would not be bound by the existing agreement. Therefore, it would be in your company's interests to obtain better security through some legal encumbrance on the title deeds of the affected properties. This could be achieved through easement or possibly a consent caveat.

An application form for a waterworks license is enclosed for your information. The application form should be lodged with the Regional Engineer, Toowoomba who would then arrange for advertisement of the application for any objections.

The rights of existing licensees have to be taken into account

TAILINGS DAM

Licensing of the tailings dam will be necessary if it is to be located on a watercourse or if it is a referable structure as defined in the Water Act. A dam is defined as 'referable' if it has -

- (a) An embankment height greater than 10 metres and capacity greater than 20 megalitres;
- or (b) An embankment height greater than 5 metres and capacity greater than 50 megalitres;
- or (c) High hazard potential.

As it is not clear whether the tailings dam will be a licensable or a referable structure, it is advisable that more detailed information on the dam be submitted so advice on this aspect can be provided.

I trust that this information is of assistance to you. If you require further advice, please do not hesitate to contact Mr G. Hausler (phone 224, 7360) of this Commission.

Yours faithfully

s.49 - Signature

P. W. N Meredith
SECRETARY

Address of Regional Engineer Toowoomba:

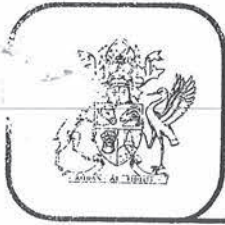
P.O. Box 319,
Toowoomba. Q. 4350
(Phone (07) 321944)

B/C: Regional Engineer,
Q.W.R.C.,
TOOWOOMBA.

For your information.

A/SENIOR ENGINEER, FORWARD PLANNING.

RTI/DI RELEASE - DNR/M



QUEENSLAND WATER RESOURCES COMMISSION

P.O. BOX 3180, TOWN HALL, TOOWOOMBA. Q. 4350

24th November, 1988.

Your Ref:

Our Ref. 52/7

Mr Murphy

TELEPHONE 32 1944

TELEX: DF

Exploration Manager,
Macalister Mining Pty. Ltd.,
P.O. Box 470,
SPRING HILL. Q. 4004

TO NOTE	
MR FREE	12/12/88
✓ SHOMAN	29/11
✓ SMITH	8/12
✓ MORRIS	1/12

on leave until 12/12.

s.49 - Signature

ATTENTION: Mr. D. Brown-Kenyon

RE: MACALISTER COAL PROJECT
WATER SUPPLY

Receipt is acknowledged of your letter dated 22nd November, 1988 concerning water supplies for the Macalister Coal Project.

I understand that upon making a decision to proceed with development at the site, firm proposals for the provision of water supplies, accompanied by license applications, will be submitted to the Commission for consideration.

In the meantime your anticipated water requirement from a bore penetrating the Hutton Sandstone will be taken into account when assessing applications for extractions from the same source for other purposes in the area.

Wambo Shire Council is currently considering allowing the operation of a number of cattle feedlots on Portion 126 Parish of Miles, located to the immediate south of your Mining Lease Application 106. It is likely that should this development proceed, water supplies will be derived from the Hutton Sandstone. The annual water requirement for these purposes could be 720 megalitres per annum.

Yours faithfully,

s.49 - Signature

DISTRICT ENGINEER.



24-11

770 Directors,
Resources and Client Services Divisions,
HEAD OFFICE.

For your information:

Copy of letter from Macalister Coal Pty. Ltd. attached.

A copy of a report to Wambo Shire Council concerning, in part, water supplies for feedlot developments on Portion 126 Parish Miles has recently been forwarded to you. This development is located to the immediate south of the Macalister Coal Project.

The total demand for groundwater from the Hutton Sandstone for both the mining project and the feedlots, if all developments proceed, could be of the order of 1 000 Ml/a. A map showing possible bore site configuration is attached.

On the basis of preliminary assessment it appears that such a draught would be possible however bore interference could be up to 20 metres of drawdown with regional influence extending 20 kilometres or so.

As indicated in the report to Wambo Shire Council, the granting of bore licenses would be subject to progressive assessment. Certainly we will be in a far better position to assess conditions after the drilling and testing of an initial bore.

Proposals in regard to weirs on Wilkie Creek will be submitted if and when Macalister Coal Pty. Ltd. decides to proceed with its project.

DISTRICT ENGINEER.

RTI DL RELEASE - DIRM

P.R.C.



CERTIFIED

^ONAME & ADDRESS^O^C

94029



Dear Sir/Madam,

WATERWORKS LICENCE NO. ^OLICENCE NO.^O^C
EXPIRY DATE: ^ODATE^O^C

Attached is the above Waterworks Licence for a bore issued under the Water Resources Act 1989-90 together with a copy of the Licence for the Drilling Contractor and a supply of drilling log forms.

Your attention is drawn to the explanatory notes and to the conditions endorsed on the Licence.

The Licence has been issued for a period of twelve months and will be subject to renewal after that period either as proposed work if the bore has not been drilled or existing work if the bore has been completed and drilling logs have been submitted.

Should the works not be completed during the currency of this Licence, a further renewal a period of twelve months would be considered. Failure to complete the works after the second renewal period will result in you being asked to show cause why the Licence should not be cancelled.

Please note that in accordance with Condition ^{4.042} ^OCONDITION^NO^O^C the nominal groundwater allocation will be determined upon completion of the work and receipt of drilling logs. It is very important that the supply obtained is indicated on the logs.

It is also important that any production bore obtained not be equipped until drilling logs are submitted, supply tested and a nominal groundwater allocation determined. The procurement and installation of equipment prior to an allocation being approved is at the risk of the Licensee.

As your annual requirement of ^ONONO OF MEGALITRES^O^C megalitres per water year is within the maximum volume based on your property area, a nominal allocation sufficient to meet this requirement may be approved providing the proposed work results in a supply rate capable of servicing the demand. Should a supply rate lower than that needed to meet the requirement be obtained, the nominal allocation will be determined on the basis of average pumping hours per water year at the supply rate or on the basis of a reduced requirement as determined by the Licensee.

The maximum groundwater allocation that will be considered is 600 megalitres per annum. This will be determined and reviewed on the basis of actual supplies obtained from this and any other bores drilled.

Enquiries To: Mr. Ross Carruthers Your Ref: Our Ref: ^ORef^O^C

566-572 Ruthven Street, PO Box 3180, Village Fair, Toowoomba Q 4350
Telephone: (076) 319 200 Facsimile: (076) 329 948

WATER RESOURCES

If you are dissatisfied with the decision of the Chief Executive, you may appeal to the Land Court in accordance with Section 4.26 of the Water Resources Act 1989. A copy of Section 4.26 is enclosed and you are advised to read it carefully.

A notice of appeal must be filed in the Land Court registry within 30 days after the date of the notification of the decision. A copy of the notice must be served on the Chief Executive within 14 days after filing it in the Court. The notice of appeal must state the grounds upon which you intend to rely.

At such time and place as set down by the Land Court for hearing of any appeal, it would be necessary for you or your legal representative to appear and tender evidence in support of such appeal.

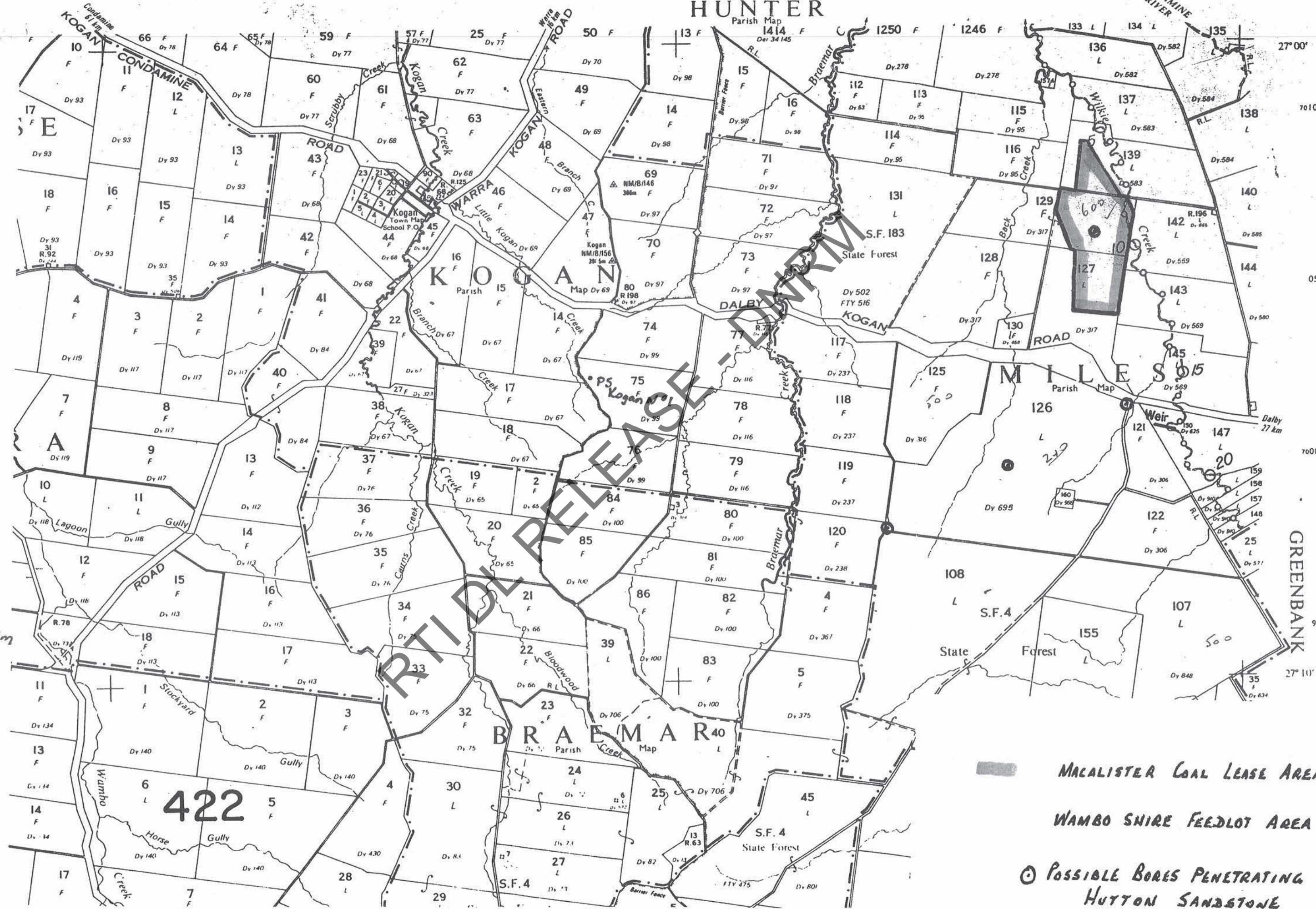
Your Licence is an important document and care should be taken to preserve it.

Yours faithfully,

for DISTRICT MANAGER
WATER RESOURCES
TOOWOOMBA

RTI DL RELEASE - DNRM

HUNTER



MACALISTER COAL LEASE AREA

WAMBO SHIRE FEEDLOT AREA

POSSIBLE BORES PENETRATING HUTTON SANDSTONE

SCALE 1:100 000

150°55'

50

1246
F

72 ha
6 ha RR

714.169 ha
ex 21.044 ha RR

133
L
Dy.582

134
L
Dy.582

135
PLS 10281

E. Erlandson

136
AF 10286
G.G. & A.I. Dempsey
442.726 ha

548.349 ha

113
F
288.817 ha
Dy.95

115
F
404.142 ha
Dy.95

137
AF 10293
G.G. & A.I. Dempsey
506.666 ha

4
223 ha
95

116
F
422.694 ha
Dy.95

139
AF 10288A
R.C. & H.M. Newton
401.2 ha
Dy.1007

161
AF 10288B
R.C. & H.M. Newton
324.3 ha
Dy.1007

SF 183
s 8517

Proposed Water
Bore Locations

129
F
846.097 ha
Dy.317

Forest

142
AF 10294
G.E. & M.E. Bailey
577.284 ha
Dy.1010

8

128
F
1022.034 ha
Dy.317

127
F
728.839 ha
Dy.317

143
AF 10295
R.W. & M.F. Walton
635.053 ha
Dy.569

30
F
97.377 ha
Dy.458

145
PLS 10291
D.B. Baker
722.971 ha
Dy.533 Dy.569

DALBY

KOGAN

125
F
725.5 ha
Dy.316

126
GHPL 10658
G. Mazzanti

147
AF 10349
T.E. & J.C. O'Connor
587.199 ha
ex 7689 m² RR
Dy.579

160
F
31.54 ha
Dy.866

121
F
311.646 ha
Dy.306

1 mm = 1/2 Km
13-348

2670.14 ha

File A

Released Page 67 of 212

RTI/DL RELEASE - DIRM



RTI/DI RELEASED

 LAND OWNED BY AQC (WILKIE CREEK)

 PREFERRED NEW BORESITES

AQC (WILKIE CREEK) PTY LTD			FIGURE
DRAWING	DATE	PROPOSED WATER BORE SITE PARISH OF MILES - COUNTY OF DERBY	
DRAWN C.R.	APR 94		
CHECKED PAR	APR 94		
APPROVED			
REVISED			
			SCALE 1 : 100000
			REVISION
			DRAWING N° WC GEN 08 A (ii)

WATER LICENCE

Water Act 2000



Reference 86828R **Expiry Date** 31/01/2012

Licensee PEABODY (WILKIE CREEK) PTY LTD

Authorised Activity The taking of underground water from HUTTON SANDSTONE under land described as Lot 127 on DY317 and Lot 128 on DY317. WILKIE CK COAL PROJECT.

Authorised Purpose Industrial

Nominal Entitlement 600 megalitres per water year

This water licence is subject to the conditions endorsed hereon or attached hereto.

Under the *Integrated Planning Act 1997* a development permit may be required for operational works to take or interfere with the water described in this licence. The licensee must ensure that the relevant development approvals have been obtained prior to installing or constructing new or additional operational works.

Given at Toowoomba this TWELFTH day of APRIL 2007.

s.49 - Signature

Scott Spencer
DIRECTOR-GENERAL
DEPARTMENT OF NATURAL RESOURCES AND WATER

Water Licence 86828R

Expiry Date 31/01/2012



Queensland
Government

Natural Resources
and Water

Conditions: Schedule A

1.01

The licensee must notify the chief executive of any new or additional works through which water under this water licence is to be taken, prior to taking the water from these new or additional works. The notification must be given in writing and if the new or additional works require development approval, this notification must include details of the relevant development permit(s).

1.10

A water year shall be from 1st July to 30th June.

6.21

The chief executive shall accept no responsibility whatsoever for the quality of water which is taken or interfered with under the authority of this water licence.

RTI DL RELEASE - DNRM

Water Licence 86828R

Expiry Date 31/01/2012



Queensland
Government

Natural Resources
and Water

Conditions: Schedule B

SPEC01

The licensee shall install a high pressure airline or employ another suitable method to measure the Standing Water Level in the bore/s authorised under Works No/s 86828R, 94029R & 94110R. Standing Water Level measurements are to be taken three monthly and records submitted to the chief executive as requested.

RTI DL RELEASE - DNRM

Author : Peter Hoopert
File: TMB/515/004(1714)
Phone: (07) 4688 1000

12 APR 2007

PEABODY (WILKIE CREEK) PTY LTD
PO Box 260
DALBY QLD 4405

Dear Sir/Madam

**Decision on Application For Renewal of Water Licence
Reference 86828R**

The Department of Natural Resources and Water delegates officers to exercise the power of the chief executive to make a decision about an application for renewal of a Water Licence. As a delegated officer of this Department, I have decided to approve the above application.

Attached is your Water Licence, which has been renewed in accordance with the provisions of the *Water Act 2000*. It is the licensee's responsibility to apply for renewal of this Water Licence before it expires irrespective of the chief executive sending an expiry notice.

Amended water charges were to commence on 1 January 2006 but were subsequently suspended awaiting an independent analysis of water planning and management costs. As an interim measure, until the above review has been completed, the water charging framework that existed at 31 December 2005 has been re-introduced as from 1 July 2006.

The annual water licence fee will apply to all new and renewal applications from 1 September 2006.

There are no water charges for the period 1 January 2006 to 30 June 2006.

The *Water Regulation 2002* was recently amended and provides the Department of Natural Resources and Mines with the authority to meter water extractions in line with the Departments Statewide Metering Policy. This means all works used to take water under authority of this water licence will be required to have a Department owned meter installed.

DPI / DNR Complex, 203 Tor Street
PO BOX 318 TOOWOOMBA
Queensland 4350
Australia
Telephone + 61 7 (07) 4688 1000
Facsimile + 61 7 (07) 4688 1188
Website www.nrm.qld.gov.au
Client Ref: 28928

W2CLN003A – Letter Renewal of Water Licence - Approved

The Department will be progressively metering all water bores, excluding stock and domestic bores over the next several years. The Department will formally advise you when metering commences in your area.

Licensees are able to take entitlement as stated on their water licence and as current groundwater water pumping restrictions permit.

Licensees purchasing and installing water meters for management purposes should ensure that they are installed to the Departments guidelines (attached) to ensure that when an area wide metering program rolls out, the transition costs are minimised.

As your Water Licence is an important document, care should be taken to preserve it.

If you have any questions please call (07) 4688 1000.

Yours sincerely

s.49 - Signature

**For Manager (Water Services)
SOUTHWEST REGION
TOOWOOMBA**

RTI DL RELEASE - DNRM



Reference 86828R Expiry Date 31/01/2007
Licensee PEABODY (WILKIE CREEK) PTY LTD
Authorised Activity The taking of underground water from HUTTON SANDSTONE under land described as Lot 127 on DY317 and Lot 128 on DY317. WILKIE CREEK COAL PROJECT.
Authorised Purpose Industrial
Nominal Entitlement 600 megalitres per water year

Licensee

Specify the full name of all persons who hold this licence (eg John Bertram SMITH; Mary Louise SMITH) In the case of a Corporation, please also supply the ACN.

Name(s) PEABODY (WILKIE CREEK) PTY LTD
(Please print)

ACN 007683454

Note: The Declaration part of this form must be signed and dated by each Licensee.

Queensland Natural Resources & Mines
05 JAN 2007
TOOWOOMBA

Contact and Correspondence

Specify the contact and correspondence details for the person who should be contacted in relation to this application. (You only need to do this once if a number of licences are to be renewed.)

Title Mr Mrs Ms Miss Other (specify)

Full Name TIM BARTHOLOMEW

Postal Address PO BOX 260
DALBY, QLD 4405

Preferred Phone 07 46635525

Email

Alternative Phone

Fax 07 46635549

Current Status of the Licence

Are any works installed that could take water (ie. an existing bore or a pump in a watercourse) or that could interfere with the flow of water (ie. dam or weir)?

Yes No

Are any such works now in use?

Yes No

(NOTE: Portable pumping units are considered to be installed works.)

Water Used Under this Licence

How is water used - irrigation or, if other, please specify	Estimated volume used (Megalitres per year)	Area irrigated (Hectares)	Crop type	Amount applied (mm)	Application method & rate (eg Traveller 50mm/hour)	Pump details (Type & Size in mm)
MINING OPERATIONS	600 ML	NIL	NIL	-	-	700A + 650 A Line Shaft Mono @ 2.5L/sec & 5.2L/s respectively
Stockwatering use:	Type of stock	Number of stock				

OFFICE
USE
ONLY

Fee Received \$ 211-50
Receipt No. 3466442
Application 124700
Registration Date 5/1/07

File No. TBA-T 1714
Client 28928
Authorisation 86828R

Initials DP s.49 - Signature

Sign on Last Page

Author: J Mercer
File: T 1714
Unit: Water Management & Use
Phone: 4688 1000

01 MAR 2004

Peabody (Wilkie Creek) Pty Ltd
PO Box 260
DALBY QLD 4405

Dear Sir/Madam

WATER LICENCE NO. 86828R

Attached is the above Water Licence which has been transferred under the provisions of the Water Act 2000. The Water Licence defines your legal entitlement and the conditions to which it is subject.

A waterworks licence issued under the 'old Act', *Water Resources Act 1989*, has transitioned to a Water Licence under the new *Water Act 2000* and a Development Permit under the *Integrated Planning Act 1997*. Under the provisions of the *Water Act 2000*, waterworks licences which were 'in conjunction', have been amalgamated into a single Water Licence (86828R) authorising the total allocation.

The conditions on the original waterworks licences that relate to the **works only** are deemed to be a Development Permits and **do not require renewal**. The deemed Development Permits now authorised under the *Intergrated Planning Act 1997* in relation to your property are listed below for your information.

<u>Development Permit No.</u>	<u>Original Waterworks Licence No.</u>	<u>Location</u>
168289	94110R	Lot 128 DY317
168233	94029R	Lot 128 DY317
165504	86828R	Lot 127 DY317

As Water Licence 94110R is no longer required due to the abovementioned amendments, you application for renewal and the associated water licence have been cancelled and the water licence fee that accompanied your recent application is to be refunded.

203 Tor Street
PO Box 318
Toowoomba
Queensland 4350 Australia
Telephone + 61 7 4688 1000
Facsimile + 61 7 4688 1188
Website www.dnr.qld.gov.au

As your Water Licence is an important document, care should be taken to preserve it. It is also the licensee's responsibility to make application for renewal of the Water Licence before the date of expiry.

If you require assistance, please contact this office on phone number 46881000, and quote your client reference number or Water Licence number for prompt attention to your query.

Yours faithfully

s.49 - Signature

for Manager (Water Management and Use)
SOUTHWEST REGION
TOOWOOMBA

RTI DL RELEASE - DNRM

Investigation Report

Compiled on 23 January 2004 at 1:04 PM

Page 1 of 3

SUMMARY DETAILS

Application Reference	62321	Authorisation Type	Licence to Take Water
Application Type	Amend Application	Client Reference	13316R
Authorisation Reference	86828R~	File Reference	TBA-T 1714
Office	TBA - Toowoomba		
Management Group	GAB - GREAT ARTESIAN BASIN		
Management Sub Group	GAB - WAMBO SHIRE		

APPLICANT DETAILS

Client Persons:

Surname/Corporation	First Name(s)	ABN/ACN
AQC (WILKIE CREEK) PTY LTD		

Client Contact Details:

Given Names	Andrew	Surname	Tod
Postal Address	PO BOX 260, DALBY, QLD, 4405, AUSTRALIA		
Preferred Phone	07-3838 2883	Facsimile	07-3838 2683
Alternate Phone		Email	andrew.tod@mirant.com

CLIENT COMMENTS

STATUS HISTORY

Status	Effective Date	Status Date	Officer
Draft	23 January 2004	23 January 2004	Tanya Elsley
Reported	23 January 2004	23 January 2004	Tanya Elsley
Under Investigation	19 August 2002	19 August 2002	Jim OSbaldeston
Submissions Closed	16 August 2002	17 August 2002	
Advertised	5 July 2002	18 July 2002	BEv Burow
Received	1 May 2002	3 July 2002	Bev Burow

ADVERTISING

Submissions close date: 16 August 2002

Date	Newspaper
5 July 2002	Dalby Herald

INTERESTED PARTIES

Date	Client Reference	Client Name	Role
------	------------------	-------------	------

ACTIVITY DETAILS (As Applied For)

The taking of underground water from HUTTON SANDSTONE under land described as 127/DY317 and 128/DY317.

Investigation Report

Compiled on 23 January 2004 at 1:04 PM

Page 2 of 3

ATTACHED TO LANDS (As Applied For)

Attached to the land described as 127/DY317 and 128/DY317 and 130/DY458 and 162/RP865871

PROPOSED WATER USE

Purpose Industrial
Amount 300 megalitres per water year.

INVESTIGATION FINDINGS

INVESTIGATION REPORT AMENDMENT - WL No. 86828R

APPLICATION NUMBER:- 62321

Have all signed? Yes

Is all of the original property still owned by the current licensee? Yes

Is this the key water licence? Yes

List all Development Permits Nos that need to be linked to THIS WATER LICENCE and Water Licence Nos that correspond with the DP. These are currently in conjunction.

DP NO.	WL NO.
165504	86828R
168233	94029R
168289	94110R

Metering:- Do any of the original licences with the DPs require metering? No
List which original licence numbers - n/a
Use metered licence number as key water licence
If none are metered - use key inconj licence

Purpose:- Industrial

Are all of the works installed? Yes

Is this WL in a Management Area? No

Location Parcels:- Lots 127 & 128 DY317

To Supply Parcels:- Lots 127, 128 & 129 ^{DY317} ^{RP865871} 130 DY458 & 162 RP865871

TERMS:- 1.01 1.10 4.15 4.16 4.17 4.19 5.20 6.21
Sch B - High pressure airline

Written request received to reduce allocation from 600 ML to 300 ML. The 300 ML will be transferred to Licence no: 86828R (62321) as per correspondence written by Adrian McKay dated 19th November 2003.

Recommended Action:- Renew & Amend allocation

Expiry Date:- 31/01/2007

Reporting Officer:- Tanya Elsley

Date:- 23/01/2004

Released

Investigation Report

Compiled on 23 January 2004 at 1:04 PM

Page 3 of 3

Approved:- _____

Position:- _____

Date:- _____

RTI DL RELEASE - DNRM

PEABODY (WILKIE CREEK) Pty Ltd

ACN 007 683 454

Trading As: Surat Premium Coal

PO Box 260 Dalby Qld 4405 Australia
Email address: aqcdalby@t131.aone.net.au

Telephone: +61 7 46635555
Facsimile: +61 7 46635549



1 October 2002

Adrian McKay
Senior Technical Officer
Integrated Resource Management
Queensland Government
Natural Resources and Mines
PO Box 318
Toowoomba Qld 4350

Adrian,

I would like to thank you for coming to the minesite and clarifying your department's position regarding the access to water supplies.

For your information I enclose a copy of a letter send to Tim Sharratt concerning our intent regarding the Water Licence. We intend to pursue this matter most seriously as supply of water is fundamental to our expansion.

Regards,

s.49 - Signature

Paul R Davis
General Manager

PEABODY (WILKIE CREEK) Pty Ltd

ACN 007 683 454

Trading As: Surat Premium Coal

PO Box 260 Dalby Qld 4405 Australia
Email address: agcdalby@t131.aone.net.au

Telephone: +61 7 46635555
Facsimile: +61 7 46635549

24 September 2002

Mr Tim Sharratt
Manager-Infrastructure
and Local Liaison
CS Energy
Kogan Creek Power Project
GPO Box 87
Brisbane Qld 4001

Dear Tim,

I would like to thank you for coming to the Mine site on Wednesday 18th September to discuss circumstances around Water Arrangements incorporated in the Cooperation Deed.

It is our intention to pursue actioning the provisions under the Deed. The motivation is purely the intent to expand the Wilkie Operations production level from current production of 1.3 mtpa up to 2.5 mtpa. A limiting factor in this process is the amount of water required to meet proposed production levels.

We confirm that Wilkie Creek has made an application for the amendment of the Bore Licence from 300 megalitres to 600 megalitres and application was confirmed by Adrian McKay, Senior Technical Officer, Qld Govt Dept of Natural Resources & Mines.

Under clause 4.1(b) of the Cooperation Deed we seek your assistance in gaining approval for this amendment for the full amount of increase from 300 megalitres to 600 megalitres.

We thank you for your cooperation and if there are any further points of clarification please contact the undersigned.

Kind regards,

s.49 - Signature

PAUL R DAVIS
General Manager

CLASSIFIEDS

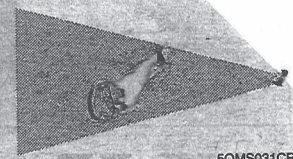


Over 24,000 readers every week.

FAX - 1300 362 182

HOTLINE - 13 61 81

50MS031CR



Birth Notices

BOSHAMMER. — Murray and Justine proudly announce the arrival of their son, Max Donald, 9lb 7oz, on the 19th of June, 2002. Thanks to Dr Cerqui and staff at SVH.

LUCK. — Adam, Toni and Jacob, welcome Ryan William, 22/6/02, 7lb 9oz. Thanks to Dr Fraser and Dalby Maternity Staff.

Birthday Greetings

60 HAPPY Birthday

JACKSON, Arthur
To a special husband and father—have a wonderful day on Sunday. Love always Patty, Mal, Melissa, Linda and Scott.

Happy Birthday Justin
My baby has grown up.

18 HAPPY Birthday
Best wishes for the future. Lots of love Mum, XOXO

In Memoriam

ADAMS, George Alfred. — 5.7.1985.
“Here and there, everywhere, scenes that we once knew. They all recall memories of you.”
Missing you, George. Love May, Des, Trish, your loving grandchildren and great-grandchildren.

HOSKIN, Don. — 5/7/94.
Silent thoughts of times together.
Hold memories that will last forever.
Love Gayleen.

Church Services

ANGLICAN CHURCH OF ST. JOHN'S
SERVICE TIMES:
SATURDAY, JULY 6
7.30pm: Praise & Worship Meeting
SUNDAY, JULY 7
8.00am: Eucharist
9.30am: Eucharist
11am: Healing Service
FRIDAY, JULY 12
7.00am: Eucharist
ENQUIRIES:
FR. JIM NOLAN
PHONE 4662 2071

PRAISE & WORSHIP MEETING

ST. JOHN'S ANGLICAN CHURCH
SATURDAY

Church Services

PRESBYTERIAN CHURCH
SUNDAY, JULY 7
8.30am: Dalby
10.00am: Dalby
7.00pm: Dalby
Rev. Roland Lowther
Phone 4662 5522

Lutheran

ST. MARK'S
SUNDAY, JULY 7
Redeemer, Macalister
7.30am: Divine Service with the Lord's Supper
St Mark's, Dalby
9.30am: Divine Service with the Lord's Supper
Pastor Robin Hoffmann
Phone 4662 2364

UNITING CHURCH

SUNDAY, JULY 7
9.30am:
Worship Service
ALL ARE WELCOME
Rev. Ron Watson
(07) 4662 2306

Legal Notices

AFTER 14 days from today an application for a Grant of Representation will be made to the Supreme Court of Queensland at Brisbane as follows:
Deceased: **CHARLES ROBERT PERRY**
Last Address: Lot 3, Seymours Road, Dalby in the State of Queensland.
Address in Will: Lot 3, Seymours Road, Dalby in the State of Queensland.
Applicant(s): **JENNIFER ANN PERRY** of Lot 3, Seymours Road, Dalby in the State of Queensland.
Grant: Probate of the Will dated 18 March 2002.
Caveat: If you wish to object to or to be heard upon the application, you may file a Caveat in the Supreme Court Registry mentioned above at any time before the Grant is made.
Creditors: All creditors or others having a claim against the Estate are required to send particulars of their claim to the Applicant's Solicitors within 6 weeks of the date of publication of this Notice.
Date of Death: 14 April 2002
Applicants' Solicitors: **SHANNON DONALDSON**, Province Lawyers, 33A Archibald Street, DALBY QLD 4405

Meetings & Events

AL-ANON. Help and understanding for relatives and friends of the problem drinker. Meetings held

Public Notices

NOTICE OF APPLICATION - WATER ACT 2000
Notice is hereby given of application for a water licence made under the *Water Act, 2000* the details of which are:
Applicant name: **AQC (Wilkie Creek) Pty Limited**
Application reference: 62321
Water Licence reference: 86828R
Application details: The application is to amend a water licence to take subartesian water from the Hutton Sandstone aquifer of the Great Artesian Basin, underlying Lots 127 & 128 DY317 also attached to Lots 130 DY458 and 162 RP865871 Parish of Miles for the purpose of Industrial with an increase in the entitlement from 300 to 600 megalitres per water year. The property is located on the Dalby Kogan Road, Daandine.
Submissions: Any person with an interest in the application may make a submission. Submissions must be made in writing to the Chief Executive, PO Box 318, Toowoomba Q 4350 and must state the grounds of the submissions and the facts and circumstances relied on in support of the grounds. The submission must include the applicant name, application reference and the submitter's postal address and contact details. Closing date for submissions is **16th August, 2002**.
Copies of the applications may be inspected at 230 Tor Street, Toowoomba.
Enquiries: Telephone Bev Burrow 07-4688 1000 73MS075SH

Sustainable Land Use in the Condamine /Central Downs Region Consultation Workshops – July 2002

Landholders, government and community representatives are invited to a consultation workshop to discuss the Landmark Policy Discussion Paper “Sustainable Land Use in Dryland Regions of the Murray-Darling Basin.” Workshops will be held in the Condamine/Central Downs regions in July

Public Notices

WAMBO Shire Council

NOTICE OF APPLICATION WATER ACT 2000

Notice is hereby given of application for a water licence made under the *Water Act, 2000* the details of which are:
Applicant Name: **Wambo Shire Council**
Application Reference: 61265
Application Details: The application is to amend a water licence to take subartesian water from the Marburg Sandstone in the Jandowae Town area, Parish of Jandowae for the purpose of Town Water Supply for the Town of Jandowae with an increase in the nominal entitlement from 20 to 100 megalitres per water year.
Submissions: Any person with an interest in the application may make a submission. Submissions must be made in writing to the Chief Executive, PO Box 318 Toowoomba Qld 4350 and must state the grounds of the submission and the facts and circumstances relied on in support of the grounds. The submission must include the applicant name, application reference and the submitter's postal address and contact details.
Closing date for submissions is 19th August, 2002.
Copies of the applications may be inspected at 203 Tor Street, Toowoomba.
Enquiries: Telephone Bev Burrow (07) 4688 1000
Chief Executive Officer Toowoomba Qld 4350

NOTICE TO CONTRIBUTORS

The Dalby community provides a wealth of interesting copy for the Dalby Herald.
The local support is greatly appreciated.
But while the paper acknowledges the importance of local contributed copy it is not always possible to print the material in full in the earliest edition. Limitations of space and time mean that copy may have to be held

DEPT. OF NATURAL RESOURCES
01 MAY 2002
TOOWOOMBA

Allied Queensland Coalfields Pty Ltd.
ABN 81 010 178 551
GPO Box 2256, Brisbane, Queensland, Australia 4001
Level 15, HSBC Bldg., 300 Queen St., Brisbane, Qld 4001
T +617 3839 2883 F +617 3839 2683 U www.mirant.com

29 April 2002



The Chief Executive
Department of Natural Resources & Mines
PO Box 318
TOOWOOMBA QLD 4350

Dear Sir

Application to Amend Existing Licences

We enclose an application, under s.216 of the *Water Act 2000*, to amend the following licences, held in the name of AQC (Wilkie Creek) Pty Ltd:

1. B94110;
2. G94029; and
3. B86828.

Each licence is for a sub-artesian bore.

Yours faithfully

s.49 - Signature

Andrew Tod

General Manager

encl.

15815037

Purpose of this Form
To apply for a water licence to take and use the water on any parcel of land owned by the applicant.

PART A Licence Information

Is this application to amend an existing licence? No Yes

If 'yes' please supply existing licence number

PART B Applicant Details

Name *Specify the full name of all persons applying for this licence*

Attention (Optional) *(eg. Principal, Secretary, Managing Director, etc)*

Mailing Address *All correspondence will be delivered to this address*

State Postcode Country *If not Australia*

Contact Person's Details *(If different from above)*
Title Mr Mrs Ms Miss Other *please specify*

Given Name
Last Name
Preferred Phone Alternate Phone Facsimile
Email Address

PART C Description of Land *Specify the Lot and Plan numbers for the land on which the water is to be used*

Lot	Plan	Parish
<input type="text"/>	<input type="text"/>	<input type="text" value="See Attachment A"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

OFFICE USE ONLY	Fee Received \$	Application <input type="text" value="62321"/>
	Receipt No.	Client <input type="text" value="133166"/>
	Registration Date <input type="text" value="3/7/02"/>	Authorisation <input type="text" value="868282"/>
	Initials <input type="text" value="s.49"/> - Signature	

OFFICE STAMP ONLY

PART D Source & Location of Water *Specify the type of water and the location from which water is to be taken*

Water in a watercourse, lake or spring Name

Underground artesian water Aquifer Name Target depth metres

Underground subartesian Aquifer Name Target depth metres

Overland Flow water

Lot	Plan	Parish	Adjacent to (P)
128	DY317	Miles	<input type="checkbox"/>
127	DY317	Miles	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>

NOTE: if water is to be taken from a point on land within the bed and banks of the watercourse which cannot be properly described in terms of a Lot or Plan, enter the property description of the nearest adjacent land and tick the 'Adjacent to' (P) box.

Sketch a plan showing the source and location where the water is proposed to be taken and used. Include property boundaries, Lot/Plan descriptions, existing water facilities (eg. pump, bore), and location of any watercourse, lake or spring



Please refer to the original application for water bore licences B94110, G94029 and B86828.

RTI DL RELEASE - DNRPM

PART E Water Use *Specify which of the purposes below apply to the proposed taking of water*

Domestic Irrigation (Complete Irrigation Requirement Table)
 Stockwatering Stock Intensive (eg Feedlot, Piggery, Dairy) Stock Type No. of Stock
 Waterharvesting Aquaculture (Attach Proposal)
 Industrial (Attach Proposal) Other (Specify)

PART F Water Requirement *Describe the proposed water scheme*

Irrigation Requirements	Proposed Area (Hectares)	Maximum Weekly Application (mm)	Maximum Monthly Volume (Megalitres)	Time of Year Required (Months)
Crop Type				
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Requirements for other purposes *Tick the appropriate box*

600 megalitres per day week month year

PART G Amount of Water *Specify the amount of water being applied for*

Maximum annual volume of water required 600 megalitres
 Maximum rate at which water is to be taken litres per second
 Maximum area to be irrigated hectares

PART H Comments *Provide any further comments or information that may be of assistance in assessing this application*

PART I Declaration *All parties to complete and sign the declaration below*

Being the owners of all land referred to in Part C of this application, I/We do hereby apply for a licence to take water. I/We declare that the information contained in this application is true and correct.

INDIVIDUAL *Attach separate sheet (or photocopy) if more than 2 signatures required*

Name	<input type="text"/>	Name	<input type="text"/>
Signature	<input type="text"/>	Signature	<input type="text"/>
Position/Title (if applicable)	<input type="text"/>	Position/Title (if applicable)	<input type="text"/>
Date	<input type="text"/>	Date	<input type="text"/>

CORPORATION *Executed for and on behalf of (Corporation)*

AQC (Wilkie Creek) Pty Limited ACN 007 683 454

By (Name)	<input type="text"/> Andrew Tod	By (Name)	<input type="text"/>
Position	<input type="text"/> General Manager	Position	<input type="text"/>
Signature	<input type="text"/> s.49 - Signature	Signature	<input type="text"/>
Date	<input type="text"/> 29/4/02	Date	<input type="text"/>
Witnessed By	<input type="text"/> Robin Griffin	Witnessed By	<input type="text"/>
Witness Signature	<input type="text"/> s.49 - Signature	Witness Signature	<input type="text"/>
Date	<input type="text"/> 29/4/02	Date	<input type="text"/>

ATTACHMENT A

PART C Description of Land		
<i>Specify the Lot and Plan numbers for the land on which the water is to be used</i>		
Lot	Plan	Parish
127	DY317	Miles
129	DY317	Miles
128	DY317	Miles
130	DY458	Miles
162	RP865871	Miles

RTI DL RELEASE - DNR/M

Author: Bev Burow
File: T 1714
Unit: Water Management & Use
Phone: 4688 1000

- 3 JUL 2002

AQC (Wilkie Creek) Pty Limited
Level 15, HSBC Building
300 Queen Street
BRISBANE Q 4000

Dear Sir

WATER LICENCE NO. 86828R
EXPIRY DATE:- 31/01/2007

Attached is the above Water Licence and an Information Notice detailing the Departments decision on your application for the Water Licence.

The Water Licence defines your legal entitlement and the conditions to which it is subject. Your attention is drawn to the conditions endorsed on the Water Licence and the details contained in the Information Notice.

The Licence has been issued for a period of five years and will be subject to renewal after that period.

Upon sale of the property or any part thereof to which the Licence is attached, the licence will need to be transferred and the nominal water entitlement may need to be reviewed. Please ensure that you advise this Office of any change in property ownership.

In the event the licensee proposes to subdivide and dispose of any part of the property endorsed on the licence document, the licensee should;

- a) be aware of Section 229 of the WaterAct 2000.
- b) make necessary provision for amendment of licences prior to disposal.

As your Water Licence is an important document, care should be taken to preserve it. It is also the licensee's responsibility to make application for renewal of the Water Licence before the date of expiry.

203 Tor Street
PO Box 318
Toowoomba
Queensland 4350 Australia
Telephone + 61 7 4688 1000
Facsimile + 61 7 4688 1188
Website www.dnr.qld.gov.au

If you require assistance, please contact this office on phone number 46881000, and quote your client reference number or Water Licence number for prompt attention to your query.

Yours faithfully

s.49 - Signature

for A/Manager (Water Management and Use)
SOUTHWEST REGION
TOOWOOMBA

RTI DL RELEASE - DNRM

Author : Bev Burow
File: T 1714
Phone: 07-4688 1034

3rd July, 2002

AQC (Wilkie Creek) Pty Limited
Level 15, HSBC Building
300 Queen Street
BRISBANE Q 4000

Dear Sir/Madam

Information Notice - Water Licence No. 86828R

This information notice is given in accordance with section 211 (3) of the *Water Act 2000* ("the Act") in respect of the decision on the above amendment to water licence application.

The Department of Natural Resources and Mines delegates officers to exercise the power of the chief executive to make decisions about applications for a Water Licence. As a delegated officer of this Department, I have decided to grant the above application and provide the following information about my decision.

Reasons for Decision to Grant Water Licence No. 86828R

- Amendment of allocation as stated in the Kogan Creek Power Station Environmental Impact Statement 1999 and requested in your letter dated 22nd April, 2002

If you are dissatisfied, you may apply for a review of the decision. This application must be in accordance with sections 851, and 861 to 863 of the *Water Act 2000*. Copies of these sections of the Act are enclosed. The application form must be supported by enough information to enable the reviewer to decide the application. An application for an internal review must be received at this office within 30 business days from the date you receive this notice.

Yours sincerely

s.49 - Signature

**For A/ Manager
SOUTHWEST REGION
TOOWOOMBA**

203 Tor Street
PO Box 318
Toowoomba
Queensland 4350 Australia
Telephone + 61 7 4688 1000
Facsimile + 61 7 4688 1188
Website www.dnr.qld.gov.au

WATER LICENCE

Water Act 2000

Page 1 of 3



Queensland
Government

Natural Resources
and Mines

Reference	86828R	Expiry Date	31/01/2007
Licensee	AQC (WILKIE CREEK) PTY LTD		
Activity	Take subartesian water from HUTTON SANDSTONE under land described as 127/DY317 and 128/DY317.		
Purpose	Industrial		
Description of Land	Attached to the land described as 127/DY317 and 128/DY317 and 130/DY458 and 162/RP865871		
Nominal Entitlement	300 megalitres per water year		

This water entitlement is subject to the conditions endorsed hereon or attached hereto.

Given at Toowoomba this THIRD day of JULY 2002

Terry Hogan
DIRECTOR-GENERAL
DEPARTMENT OF NATURAL RESOURCES AND MINES

RTI/DL RELEASE - DNR/M

Water Licence 86828R

Expiry Date 31/01/2007

Page 2 of 3



Conditions: Schedule A

1.01

The licensee must notify the chief executive of any new or additional works through which water under this water licence is to be taken, prior to taking the water from these new or additional works. The notification must be given in writing and if the new or additional works require development approval, this notification must include details of the relevant development permit(s).

1.10

A water year shall be from 1st September to 31st August.

1.20

The water taken under this water licence may only be used within the boundaries of the land to which it is attached.

4.15

Water must not be taken under the authority of this water licence until a meter of a type approved by the chief executive to record the volume taken is installed.

4.16

The meter of a type approved by the chief executive to record the volume of water taken under the authority of this water licence must be purchased and installed at the licensee's expense.

4.35

The measuring device must be installed to the satisfaction of the chief executive.

4.36

The measuring device will be maintained at the expense of the Licensee.

5.20

Meter readings of all water taken under the authority of this water licence must be recorded by the licensee every half year. Such records must include the time and date when water is taken and the volume of water taken and must be forwarded to the chief executive at Toowoomba by the end of the water year.

Water Licence 86828R

Expiry Date 31/01/2007

Page 3 of 3



Queensland
Government
Natural Resources
and Mines

Conditions: Schedule B

SPEC01

The licensee shall install a high pressure airline or employ another suitable method to measure the Standing Water Level in the bore/s authorised under Works No/s 86828R, 94029R & 94110R. Standing Water Level measurements are to be taken three monthly and records submitted to the chief executive as requested.

RTI DL RELEASE - DNRM

AUTHORISATION

REPORT ON

VARY

<input checked="" type="checkbox"/>	NEW APPLICATION
<input type="checkbox"/>	RENEWAL / TRANSFER (List required amendments in squares provided)

NAME AND ADDRESS OF NEW LICENSEE

AQC Wilkie Cr.

AUTH. NUMBER: *86828 R^N*
 APP. NUMBER:
 BORE NAME (if applicable)
 DATE OF ORIGINAL ISSUE: *19/6/1990*

FILE NUMBERS

D.O	<i>T174</i>	
R.O		
H.O		

DESCRIPTION OF WORKS: *ie. Size pump on which watercourse*

EXISTING / PROPOSED (Bores Only)

DEPTH...*7.57.5*...METRES
 CASING.....mm SURFACE TO
METRES

LOCATION OF WORKS

PORTION / RP No: *Lot 127 D/315*

PROPERTY NAME: *+ L 128 D/317*

PARISH: COUNTY:

LAT: 0 1 2 3 4 5 6 7 8 9 0 LONG: 0 1 2 3 4 5 6 7 8 9 0

To attach alloc of 300 mL.

LICENSED USE:

Industrial . *Sched. B Tennon below*

Terms 1.10 - 1 Sept to 31 Aug
1.10 - 4.30
4.16
4.35
5.20 - 1. half year
2. Townsville
3. sand - 6 water year

THIS LICENSE EXPIRES ON: *31/1/2004* ✓

RENEW TO.....	<i>31/1/2004</i>
WARNING OF CANCELLATION REQUIRED	
YES	<input type="checkbox"/>
NO	<input type="checkbox"/>

LICENSE CONDITIONS AS ATTACHED.

ACTION SEQUENCE

	INITIALS	DATE
Prepared By:		
Checked By:		
Recommended:		

Approved:
 Computer Input:
 License Issued:

INITIALS	DATE
<i>s78B(2) - Personal Information</i>	<i>24/4/02</i>

If further action required before application for renewal can be processed, list action required/taken

Sched. Amend to include 300 mL Allow.

Sched B Term The licensee shall install a high pressure airline or employ another suitable method to measure the standing water level in the bores authorised ~~to~~ use the table the entitlement

Forwarded to the Dept. upon request

Allied Queensland Coalfields Pty Ltd.
ABN 81 010 178 551
GPO Box 2256, Brisbane, Queensland, Australia 4001
Level 15, HSBC Bldg., 300 Queen St., Brisbane, Qld 4001
T +617 3839 2883 F +617 3839 2683 U www.mirant.com

22 April 2002

Adrian McKay
Department of Natural Resources & Mines
203 Tor Street
TOOWOOMBA QLD 4350



Dear Adrian

Water Bore Licences - Nos. B94110, G94029 and B86828

We refer to our recent discussions with your office in respect of the above licences issued to AQC (Wilkie Creek) Pty Limited.

We hereby request that you assign a water allocation of 300ML per annum, or such other higher allocation that the Department is able to grant, in respect of the above licences.

As you are no doubt aware, all three licences share the allocation.

If the allocation confirmed in response to this application is less than 600ML, please note that we will be applying for an increase in the allocation, to 600ML per annum.

Yours faithfully

for and on behalf of AQC (Wilkie Creek) Pty Limited

s.49 - Signature

Andrew Tod
General Manager

Development Details 168289

Compiled on 18-January-2007 at 11:53 AM



The information contained herein is a record of the works authorised by a development approval given by a decision notice under the *Integrated Planning Act 1997*. The conditions shown are conditions applied by this agency as the Assessment Manager which authorised the development.

Statement of Works

Reference 168289
Description of Land On Lot 128 on DY317
Date Given 19/04/2002

Works Reference 94110R

Subartesian bore that taps the HUTTON SANDSTONE.
Total depth 742.0 metres.
Located on Lot 128 on DY317.
Registered Number 94110.

RTI DL RELEASE - DNRM

Development Details 168289

Compiled on 18-January-2007 at 11:53 AM



The information contained herein is a record of the works authorised by a development approval given by a decision notice under the *Integrated Planning Act 1997*. The conditions shown are conditions applied by this agency as the Assessment Manager which authorised the development.

Conditions: Schedule A

3-2.010A

The chief executive or any person authorised by him shall have full and free access to the bore at all reasonable times for the purpose of carrying out any inspection or test of the bore and its fittings or of reading or repairing any water meter installed.

3-2.020A

The licensee shall carry out any work or make any alteration deemed necessary by the Chief Executive for the protection or proper maintenance of the bore.

3-2.030A

The licensee or his personal representative or his successor in interest shall notify the Chief Executive immediately of any change or divestment of interest in the land whereon the bore is constructed or proposed to be constructed.

3-2.050

If the chief executive considers that pollution of the aquifer is occurring or may occur as a result of the manner in which water from the bore is being used, the licensee shall carry out such remedial measures as the chief executive may consider necessary to eliminate or prevent such pollution.

3-6.007

The licensee shall install in the bore a high pressure air line of a type and in a manner approved by the chief executive to monitor the effect of pumping from the bore.

RTI/DI RELEASE - DNR/M



Queensland Government
Natural Resources and Mines

APPLICATION FOR RENEWAL OR SURRENDER OF WATER LICENCE
Water Act 2000

Reference 94110R **Expiry Date** 30/01/2004
Licensee AQC (WILKIE CREEK) PTY LTD
Activity The taking of underground water from WALLOON COAL MEASURES under land described as 128/DY317.
Purpose Domestic Supply, Industrial
Description of Land Attached to the land described as 127/DY317 and 130/DY458 and 162/RP865871

Specify the full name of all persons who hold this licence (eg John Bertram SMITH; Mary Louise SMITH). In the case of a Corporation, please also supply the ACN.

Name(s) PEABODY (WILKIE CREEK) P/L
(Please print)

ACN 007 683 454

Note: The Declaration part of this form must be signed and dated by each Licensee.

Specify the contact and correspondence details for the person who should be contacted in relation to this application. (You only need to do this once if a number of licences are to be renewed.)

Title Mr Mrs Ms Miss Other (specify)

Full Name WILLIAM STOREY

Postal Address PO BOX 260
DALBY QLD 4405

Preferred Phone 4663 5555

Email b.storey@peabody.wilkiecreek.com

Alternative Phone

Fax

Current Status of the Licence

Are any works installed which take water (ie. pump or bore) or interfere with the flow of water (ie. dam or weir)?

Yes No

Are any such works now in use?

Yes No

(NOTE: Portable pumping units are considered to be installed works.)

Water Use Under this Licence

How is water used - Irrigation or, if other, please specify	Estimated volume used (Megalitres per year)	Area irrigated (Hectares)	Crop type	Amount applied (mm)	Application method & rate (eg Traveller 50mm/hour)	Pump details (Type & Size in mm)
COAL	160	N/A	N/A		N/A	
PREPARATION						
Stockwatering use:			Type of stock	N/A	Number of stock	

RECEIVED
05 JAN 2004
Pages

OFFICE USE ONLY	Fee Received \$ 250.00	Application 86219
	Receipt No.	Client 13316R
	Registration	Authorisation 94110R
	Date 7/1/04	Initials

8 DEC. 1994



CERTIFIED

AQC (Wilkie Creek) Pty Ltd
GPO Box 2256
BRISBANE Q 4001

Dear Sir/Madam,

WATERWORKS LICENCE NO B 94110
EXPIRY DATE: 30/01/2004

Attached is the above Waterworks Licence for a bore issued under the Water Resources Act 1989-90.

Your attention is drawn to the explanatory notes and conditions endorsed on the Licence. Please ensure that the work is operated in compliance with Licence conditions.

Please note that in accordance with Condition 4.042, the nominal groundwater allocation will be determined upon completion of your drilling program.

The maximum allocation that will be considered is 600 megalitres per annum. This will be determined and reviewed on the basis of actual supplies obtained from this and any other bores drilled.

If you are dissatisfied with the decision of the Chief Executive, you may appeal to the Land Court in accordance with Section 4.26 of the Water Resources Act 1989. A copy of Section 4.26 is enclosed and you are advised to read it carefully.

A notice of appeal must be filed in the Land Court registry within 30 days after the date of the notification of the decision. A copy of the notice must be served on the Chief Executive within 14 days after filing it in the Court. The notice of appeal must state the grounds upon which you intend to rely.

Enquiries To: Mr Ross Carruthers Your Ref: Our Ref: T 1714

566-572 Ruthven Street, PO Box 3180, Village Fair, Toowoomba Q 4350

Telephone: (076) 319 200

Facsimile: (076) 329 948

WATER RESOURCES

At such time and place as set down by the Land Court for hearing of any appeal, it would be necessary for you or your legal representative to appear and tender evidence in support of such appeal.

Your Licence is an important document and care should be taken to preserve it.

Yours faithfully,

s.49 - Signature

for DISTRICT MANAGER
WATER RESOURCES, TOOWOOMBA

THIS IS A TRUE COPY OF A LETTER SENT TO AQC WILKIE CREEK PTY LTD

s.49 - Signature

RTI DL RELEASE - DNRM

WATERWORKS LICENCE

Name and Address of Licensee

AQC (WILKIE CREEK) PTY LTD
GPO BOX 2256
BRISBANE Q 4001

Licence Number B 94110 Expiry Date 30/01/2004 File Number T 1714

Description of Works

SUB-ARTESIAN BORE

LICENSED DEPTH 742.0 METRES
YEAR DRILLED 1994

LATITUDE 27-03-05 LONGITUDE 150-54-55

Location of Works

Description L128 ON PLAN DY317
Parish MILES
County DERBY

To Supply

L127/128 Plan DY317 & L130 Plan DY458 Parish of Miles
County of Derby.

LOT 162 RA865871

Purpose of Works Industrial, Domestic

Date of Original Issue 28/11/1994

It is the licensee's responsibility to apply for renewal of this Licence before it expires,
irrespective of the Chief Executive, Primary Industries Corporation sending an expiry notice.

This Licence is issued under the Water Resources Act 1989 and is subject to the terms
endorsed hereon or attached hereto.

Issued at..... TOOWOOMBA

this..... TWENTY-EIGHTH day of..... NOVEMBER 19⁹⁴.....

s.49 - Signature

..... SENIOR TECHNICAL OFFICER

28 October 1994



AQC (Wilkie Creek) Pty Ltd
G P O Box 2256
BRISBANE Q 4001

Dear Sir

PERFORMANCE - BORE RN 94110

Reference is made to the pumping test conducted on the above bore on 10 September to 15 September 1994. The following comments are made on its likely performance.

At the outset it should be noted that the estimate of design or long term pumping rate has been made after considering the behaviour of the bore during a pumping test of 100 hours.

While a test of this duration is usually sufficient to provide a basis for estimating a suitable pumping rate, it should be realised that the bore will be operating for a very much longer period, during which time factors which will have an adverse effect on the long term pumping rate may become apparent.

Accordingly then this Department is unable to accept responsibility for any failure of the bore to continue to operate at the pumping rates quoted in this letter.

LONG TERM PUMPING RATE

Prior to the start of the test the standing water level in the bore was 27.45 metres below ground level.

Allowing for a 20 metre seasonal variation to take into account the expected regional diminution of pressure within the Great Artesian Basin and to offset turbulent head loss effects likely when the bore is pumped at rates greater than the test rate, the table below gives long term pumping rates which should be obtained at various pump suction depths.

PUMP SUCTION DEPTH	DESIGN RATE
200 m	2.37 l/s
250 m	3.33 l/s
300 m	4.30 l/s
340 m	5.07 l/s

Enquiries To: Mr G Embleton Your Ref: Our Ref: T 1714
566-572 Ruthven Street, PO Box 3180, Village Fair, Toowoomba Q 4350
Telephone: (076) 319 200 Facsimile: (076) 329 948

WATER RESOURCES

SUCTION SETTING

It should be noted that the pump suction depths and corresponding yields are theoretical only. Actual yields will depend upon the ability of available pumps to pump from the quoted depths.

WATER QUALITY

This Department has no information on the quality of water from the bore. Should you wish, a sample of water can be forwarded to this office for a full chemical water analysis. This analysis will take approximately four to six months. Alternatively if you have arranged for analysis by a private firm we would appreciate a copy of the report for our records.

GENERAL

Please find enclosed an invoice for \$180.00 covering the analysis of the pumping test and the provision of this report.

It is pointed out that information given either verbally or in writing by this Department or its officers is based on observations and analysis of available data by trained personnel and is accurate as far as can be judged, the Department can accept no responsibility for results obtained.

If you are uncertain of anything in this report or if this Department can further assist, please contact Greg Embleton at this office.

Yours faithfully

s.49 - Signature

2 District Manager
WATER RESOURCES
TOOWOOMBA

RTI/DL RELEASE - DARM

94110

CONDAMINE DRILLING PTY. LTD.

DRILLING AND WATER
SUPPLY ENGINEERS

CONDAMINE DRILLING PTY. LTD.
MS. 1444, INDUSTRIAL AVENUE
TOOWOOMBA QLD. 4350
Telephone (076) 34 1122

MR. A.M. GEBBETT
MR. P.G. SCHMACKER
MR. I.M. GEBBETT

WORKSHOP:-
INDUSTRIAL AVE
TOOWOOMBA 4350

DATE 5/10/94.....

FACSIMILE TO: WATER RESOURCES COMMISSION
FAX NO: 329948
FOR ATTENTION OF: GREG EMBLETON
FROM: MARGARET GEBBETT

MESSAGE CONSISTS OF THIS PAGE ~~ONE~~ PLUS 2 ADDITIONAL PAGES

MEMO DETAILS

AQC (Willie Ck N°3) PUMP TEST
RESULTS AS REQUESTED.

REGARDS,

MARGARET.

RTI DL RELEASE - ONRM

SHEET 1

BORE N° : WILKIECK (3)

OWNER A.G. COALFIELDS

CASING I.D. 8" x 6" ID

DATE 10th - 15th SEP 1994

COLUMN DEPTH 375'

AIR TUBE 375'

BORE LIC. _____

INITIAL AIR PRESSURE 285

S.W. LEVEL: 90' 90'

ORIFICE PLATE 1.5" x 6"

TIME	FEET AIRLINE PRESS	MM TUBE HEIGHT	G.P.H.	DRAW DOWN	VACUUM	RECOVERY	
						AIRLINE	RESID. D.DOWN
ZERO	285	—	—	—	—		
MM 2	230	1045	2500	55	55		
4	191	"	"	94			
6	165	"	"	120			
8	149	"	"	136			
10	136	"	"	150			
15	121	"	"	164			
20	99	"	"	186			
30	86	"	"	200			
40	82	"	"	203			
60	78	"	"	207			
90	77	"	"	208			
Hours 2	73	"	"	212			
2 1/2	68	"	"	217			
3	67	"	"	218			
4	63	"	"	222			
5	62	"	"	223			
6	61	"	"	224			
8	58	"	"	227			
9	55	"	"	230			
11	54	"	"	231			
13	49	"	"	236			
16	46	"	"	239			
17	42	"	"	243			
18	37	"	"	248			
20	33	670	2005	262			
20 + 5 min	41	"	"	244			
" 10	48	"	"	237			
" 15	55	"	"	230			
" 20	57	"	"	228			
20 + 30	59	"	"	226			

RTI DI RELEASE - DNRM

PUMP SPEED DECREASE

TOTAL DIESEL USED:

SIGNED: H. PECK

SET 2.

BORE N° : WILKIE CK(3)

OWNER _____ CASING I.D. _____ DATE: _____

COLUMN DEPTH _____ AIR TUBE _____ BORE LIC. _____

INITIAL AIR PRESSURE _____ S.W. LEVEL _____ ORIFICE PLATE _____

TIME	AIRLINE PRESS	TUBE HEIGHT	G.P.H.	DRAW DOWN	VACUUM	RECOVERY		
						AIRLINE	RESID. D.DOWN	
ZERO						30	255	ZERO
21	64	670	2005	221		120	165	1 MIN
22	64	"	"	"		125	160	2
24	64	"	"	"		131	154	4
28	64	"	"	"		137	148	6
30	63	"	"	222		143	142	8
32	62	"	"	223		146	139	10
36	60	"	"	225		150	135	12
40	59	"	"	226		154	131	15
44	56	"	"	229		161	124	20
48	53	"	"	232		164	121	25
52	52	"	"	233		166	119	30
56	50	"	"	235		168	117	35
60	46	"	"	239		169	116	40
64	43	"	"	242		171	114	50
68	42	"	"	243		173	112	60
72	42	"	"	"		177	108	90
76	39	"	"	246		182	103	2 HRS
80	36	"	"	249		183	102	2 1/2
84	35	"	"	250		185	100	3
88	"	"	"	"		191	94	5
90	"	"	"	"		195	90	7
91	32	"	"	253		197	88	8
92	30	"	"	255		199	86	10
96	"	"	"	"		203	82	12
100	"	"	"	"		209	75	18

TOTAL DIESEL USED: _____

SIGNED: _____

date with dot

WATER RESOURCES COMMISSION

Drawdown Sheet

with date

Sheet No. 1

MEASURED BORE	Owner <u>Ade (Wilkie Creek)</u>	Registered No.	
	Address		Site
PUMPED BORE	Owner	Registered No.	
	Address		Site
TEST DETAILS	Date Pumping Commenced <u>10/9/94</u>	Time _____ am/pm	Test
	Date Pumping Ceased <u>15/4/94</u>	Time _____ am/pm	No.

Are the measurements below for the pumped bore? YES/NO S.W.L. 27.45 m below G.L. below Ref. Pt.

WATCH TIME			ELAPSED TIME mins	DRAWDOWN metres	WATER LEVEL metres	DISCHARGE		REMARKS etc. <i>Adjusted</i>
Hr	Min	am/pm				mm	m ³ /day	
			0	-	27.45		273.07	
			2	16.77				13.45
			4	28.67				22.99
			6	36.60				24.35
			8	41.48				33.27
			10	45.75				36.69
			15	50.92				40.11
			20	56.73				45.50
			30	61.00				48.92
			40	61.91				49.65
			60	63.135				50.63
			90	63.44				50.88
			120	64.66				51.86
			150	66.145				53.08
			180	66.44				53.92
			240	67.71				54.30
			300	68.015				54.55
			360	68.32				54.74
			480	69.235				55.52
			540	70.15				56.26
			660	70.455				56.50
			780	71.98				57.73
			960	72.895				58.46
			1020	74.115				59.44
			1080	75.64				60.66
			1200	76.86			214.00	61.64
			1205	74.42				
			1210	72.285				

RELEASABLE - DNRM

WATER RESOURCES COMMISSION

Drawdown Sheet

Sheet No. 2

MEASURED BORE	Owner <u>AOC (Culic Creek)</u>	Registered No.
	Address	
PUMPED BORE	Owner	Registered No.
	Address	
TEST DETAILS	Date Pumping Commenced _____ Time _____ am/pm	Test
	Date Pumping Ceased _____ Time _____ am/pm	No.

Are the measurements below for the pumped bore? YES/NO S.W.L. _____ m below G.L. below Ref. Pt.

WATCH TIME			ELAPSED TIME mins	DRAWDOWN metres	WATER LEVEL metres	DISCHARGE		REMARKS etc.
Hr	Min	am/pm				mm	m ³ /day	
			1215	70.15			219.00	
			1220	69.54				
			1230	68.93				
			1260	67.405				
			1320	67.405				
			1440	67.405				
			1600	67.405				
			1800	67.71				
			1920	68.015				
			2160	68.625				
			2400	68.93				
			2640	69.845				
			2880	70.76				
			3120	71.265				
			3360	71.675				
			3600	72.895				
			3840	73.81				
			4080	74.115				
			4320	74.115				
			4560	75.03				
			4800	75.945				
			5040	76.25				
			5280	76.25				
			5400	76.25				
			5460	77.165				
			5520	77.775				
			5760	77.775				
			6000	77.775				

PUBLISHED RELEASE - DNRM

QUEENSLAND WATER RESOURCES COMMISSION

Recovery Sheet

Sheet No. 1

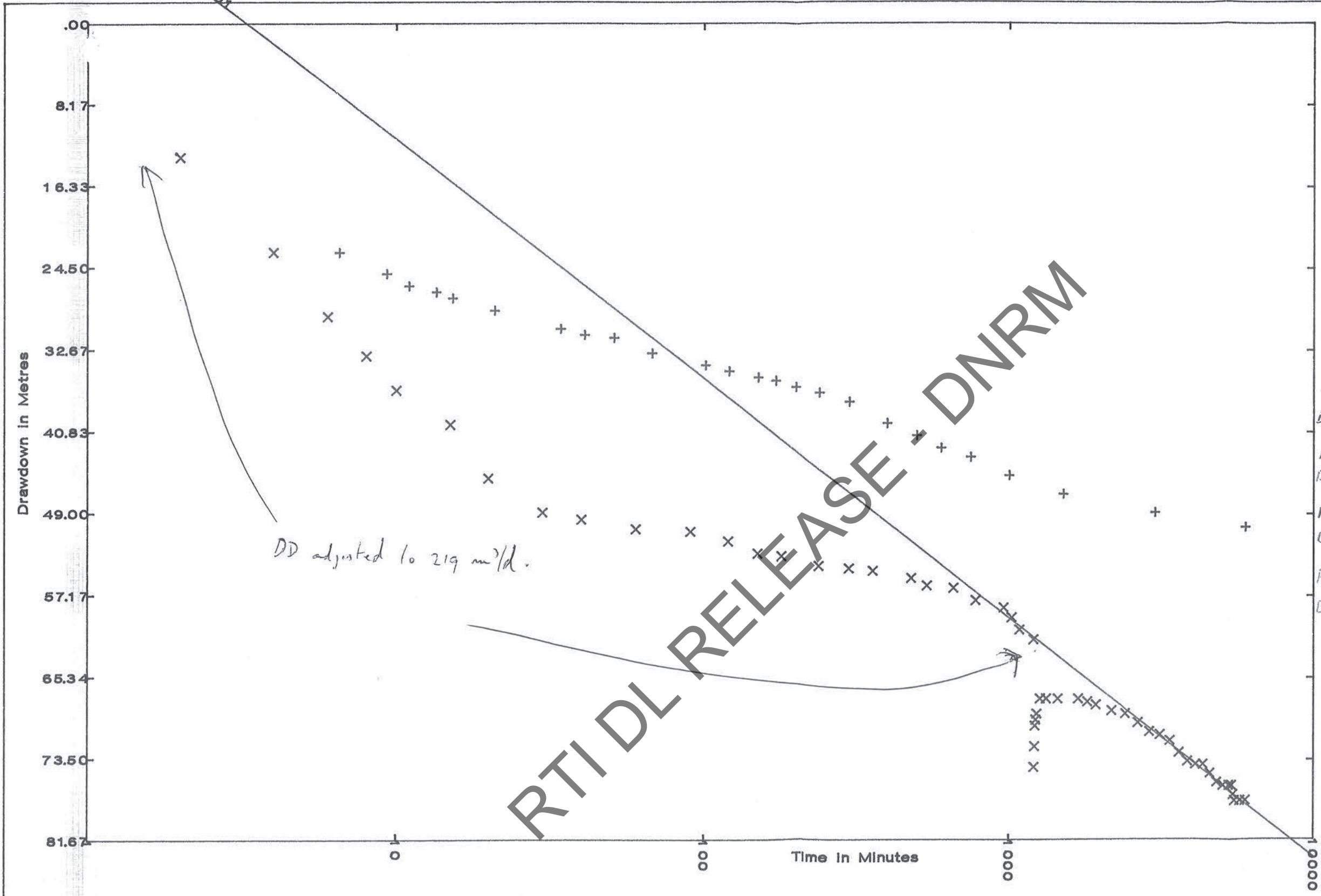
MEASURED BORE	Owner <u>AQC (Wilkie Creek)</u>	Registered No.
	Address	Site
PUMPED BORE	Owner	Registered No.
	Address	Site
TEST DETAILS	Date Pumping Commenced <u>10/4/94</u> Time _____ am/pm	Test No.
	Date Pumping Ceased <u>15/4/94</u> Time _____ am/pm	

Are the measurements below for the pumped bore? YES/NO S.W.L. 27.45 m below G.L. below Ref. Pt.

WATCH TIME			RECOVERY TIME (t ₁) mins	RESIDUAL DRAWDOWN metres	WATER LEVEL metres	ELAPSED TIME (t) mins	t/t ₁	REMARKS etc.
Hr	Min	am/pm						
			0	77.775		6000		
			1	50.325		6001		
			2	48.80		6002		
			4	46.97		6004		
			6	45.14		6006		
			8	43.31		6008		
			10	42.345		6010		
			12	41.175		6012		
			15	39.955		6015		
			20	37.82		6020		
			25	36.905		6025		
			30	36.795		6030		
			35	35.635		6035		
			40	35.38		6040		
			50	34.77		6050		
			60	34.16		6060		
			90	32.94		6090		
			120	31.415		6120		
			150	31.11		6150		
			180	30.50		6180		
			300	28.67		6300		
			420	27.45		6420		
			480	26.84		6480		
			600	26.23		6600		
			720	25.01		6720		
			1080	22.875		7080		

PUMPED RELEASE DIRM

RTI DL RELEASE DNRM



Set Suction	0.00 m
SWL	27.45 m
ADD	-27.45 m
Test Rate (Q)	219.00 M3/Da
SV (Max)	320.00 m
Log t	6.00
Slope	2.392E+01
Sw at Log t	131.25 m

Continuous Design Rates		
SV	WL	Q
20.0	47.45	-79.17
220.0	247.45	-412.88
270.0	297.45	-496.30
320.0	347.45	-579.73

Allow 20m SV + 30m for any error that may occur due to pump test analysis. SWL 27.45
 Pump Inlet at 200m ADD: 127.55
 Design Rate: 204.48 m³/d = 2.378 l/s
 Pump Inlet at 250m ADD: 172.55
 Design Rate: 287.41 m³/d = 3.338 l/s
 Pump Inlet at 300m ADD: 222.55
 Design Rate: 371.34 m³/d = 4.329 l/s
 Pump Inlet at 340m ADD: 262.55
 Design Rate: 458.08 m³/d = 5.276 l/s

DD adjusted to 219 m³/d.

Bore Number 94110
 Pump Test Number 1
 Pump Type Mono
 Date 10/09/1994
 Suction At 114.37 m
 S.W.L 27.45 m
 Available D.D 86.92 m
 Final Draw Down 77.77 m
 Final Pump Rate 219 m³/d
 Duration 6000 min
 Recovery Time 1080 min
 Residual D.D. 22.87 m
 Remarks AQC (Wilkie Creek) 3

$$T = \frac{2.3 Q}{4 \pi A D}$$

$$= \frac{2.3 \cdot 219}{4 \pi \cdot 23.9}$$

Location Map
 Portion 128 Parish Miles

Analysed	WATER RESOURCES COMMISSION	
	AQC (Wilkie Creek)	RunID: wilklaqc
Approved	Bore 3	File No: T 1714
	Date: 18/10/94	
DRAWDOWN AND RECOVERY CURVES		

DRILLING LOG FOR BORE

LICENCE No. 94110 TEST HOLE No. (if applicable) _____
 NAME OF LICENCEE A.B.C. (MILKIE CREEK) PTY LTD NO 3
 ADDRESS G.P.O BOX 8256 BRISBANE
 CONTRACTOR LEWIS DRILLING ROMA DRILLER PETER LEWIS
 TYPE OF DRILLING RIG USED ROTARY SULLIVAN 300A DRILLERS LICENCE No. 2640

PARTICULARS OF STRATA				DATE COMMENCED	DATE COMPLETED
FROM (metres)	TO (metres)	STRATA DESCRIPTION	WATER BEDS* THUS	<u>11.8.94</u>	<u>31.8.94</u>
<u>0</u>	<u>11</u>	<u>BROWN SOIL, RED CLAY</u>		ROTARY BIT SIZE (mm) LENGTH (metres) SIZE O. D. (mm) THICKNESS (mm) LOCATION (metres)	
<u>11</u>	<u>29</u>	<u>WHITE CLAY</u>		<u>250</u>	<u>417</u> <u>219</u> <u>6.4</u> FROM <u>0</u> TO <u>417</u>
<u>29</u>	<u>38</u>	<u>YELLOW SANDY CLAY</u>		<u>200</u>	<u>350</u> <u>168</u> <u>4.8</u> FROM <u>392</u> TO <u>742</u>
<u>38</u>	<u>65</u>	<u>BLACK SHALE</u>			FROM _____ TO _____
<u>65</u>	<u>92</u>	<u>SHALE CARBOYACEOUS</u>		METHOD OF SUSPENSION	
<u>92</u>	<u>94</u>	<u>COAL BANDS 2m3</u>		CLAMPED _____	SEATED ON BOTTOM _____
<u>94</u>	<u>365</u>	<u>SANDY SHALE TRAILS COAL</u>		CEMENTED _____	SEATED IN SMALL HOLE <input checked="" type="checkbox"/>
<u>365</u>	<u>378</u>	<u>COAL</u>		IF MORE THAN ONE STRING GIVE FULL DETAILS	
<u>378</u>	<u>449</u>	<u>SANDY SHALE</u>		SLOTS/PERFORATIONS	
<u>449</u>	<u>451</u>	<u>COAL</u>			FROM (metres) TO (metres)
<u>451</u>	<u>505</u>	<u>SANDY SHALE GRAY</u>		<u>S</u>	<u>495</u> <u>569</u>
<u>505</u>	<u>569</u>	<u>SANDY SAND, BLACK SHALE</u>		<u>S</u>	<u>606</u> <u>688</u>
<u>569</u>	<u>606</u>	<u>SANDY SHALE</u>		SCREENS	APERTURE
<u>606</u>	<u>679</u>	<u>SANDY SHALE COAL BANDS</u>			TOP OF PACKER
<u>679</u>	<u>684</u>	<u>COOD SAND</u>			BOTTOM OF SCREEN
<u>684</u>	<u>697</u>	<u>SANDY SHALE LENSES COAL</u>		GRAVEL PACK DETAILS	
<u>697</u>	<u>698</u>	<u>COAL</u>		WATER BEARING BEDS	
<u>698</u>	<u>742</u>	<u>HARD BLACK GREENISH GRAY SANDSTONE, RED GARNETS</u>		DEPTH STRUCK (metres)	WATER ROSE TO (metres)
					SUPPLY (litres per second)
					QUALITY (potable, brackish, salty)
REMARKS					
TOTAL DEPTH (metres) <u>742</u>					

RTI RELEASE - DMRM

PUMPING TEST ON COMPLETED SUB-ARTESIAN BORE

STATE TYPE OF PUMP USED IN TEST AIR TEST

DEPTH TO STANDING WATER LEVEL FROM GROUND LEVEL (metres)	DEPTH TO PUMP SUCTION OR BOTTOM OF DRILL STEM GROUND LEVEL (metres)	SUPPLY (litres per second)	DURATION OF TEST (hours)	DRAWDOWN LEVEL FROM SURFACE (metres)
<u>812</u>	<u>5</u>	<u>15</u>		

ARTESIAN BORE ON COMPLETION

TOTAL FLOW _____ litres/sec. _____ cubic metres/day

CLOSED DOWN PRESSURE _____ kilopascals

SIGNATURE OF DRILLER _____ DATE 7/9/94

SIGNATURE OF LICENCEE _____ DATE _____

NOTE TO LICENCEE _____

WATERWORKS LICENCE APPLICATION NO. B 94110

AQC (WILKIE CREEK) PTY LTD

WORKS: Existing bore 742 metres deep on Portion 128, Parish of Miles, County of Derby, to operate in conjunction with other licenced bores to meet the industrial requirement of a coal mining development with a nominal annual groundwater allocation of 600 megalitres. Water is to be extracted from Hutton and Precipice sandstones which forms part of the Great Artesian Basin. Property is located approximately 10 kilometres east of Kogan.

Written objections to the applications are to be made to the Chief Executive at the above address. Closing date for objections from landholders within 500 metres of the affected lands described above, or in the case of Application nos. B 94114 and B 94115 in Sub-Area 3 of the Condamine Groundwater Management Area, or in the case of Application no. B 94110 within 30 kilometres, is 28.10.1994. Objectors must state their property description, grounds for objection and quote relevant application number.


RTI DL RELEASE - DNRM

SKETCH PLAN SHOWING LOCATION OF WORKS

Include property boundaries, real property descriptions, existing licensed works and, where applicable, the position of the stream and area to be irrigated.



REFER PLAN ATTACHED SHOWING PREFERRED LOCATION

7 1714
 **Water Resources**
Water Resources Commission
Department of Primary Industries

PLEASE RETURN TO :
DEPT OF PRIMARY INDUSTRIES
WATER RESOURCES
PO BOX 3180
VILLAGE FAIR
TOOWOOMBA Q 4350

Colin Wreaggs

APPLICATION FOR WATERWORKS LICENCE

TO THE COMMISSIONER OF WATER RESOURCES

I/We AQC (WILKIE CREEK) Pty Ltd of Level 28, Comalco Pl, 12 Creek St BRISBANE
being the owners or lawful occupiers of land situated in the State of Queensland, do hereby apply for a licence to construct and use the works described herein.

Dated this _____ day of September 19⁹⁴

(For) and on behalf of
AQC (Wilkie Creek) Pty Ltd

s.49 - Signature

Signature(s) of Applicant(s)

PLEASE NOTE

- (1) The application with the prescribed fee should be forwarded to the address shown above.
- (2) The onus is on the applicant to provide sufficient details including correct property descriptions. Failure to do so may render a subsequent licence invalid.

APPLICANT DETAILS

Name AQC (WILKIE CREEK) PTY LTD

Postal Address IG P O Box 2256
BRISBANE QLD 4001

Property Address 28th Floor, Comalco Place, 12 Creek St, BRISBANE QLD 4000

Telephone No. Home (07_) _____ Business (07_) 229 7277
(Tick preferred contact number)

FOR OFFICE USE ONLY

APPLN. FEE RECEIVED \$ 55 RECEIPT NO. 340926 DATE 26/9/94

WRC 1256 10/90

RTI DL RELEASE - DIRM

PUMPING FROM A WATERCOURSE

Complete this section to take water from a watercourse (including regulated streams).

APPLN NO. _____

Name of watercourse _____

Work situated on _____ (Portion, Lot, RP etc)

Parish _____ County _____

To supply water to _____

Parish _____ County _____

Work is now Proposed Existing

Is application to replace/amend existing licence? No Yes If Yes, supply existing licence number _____

Description of work

Pump Type Centrifugal Mixed Flow Helical Rotor Jet
 Submersible Axial Flow Turbine Piston
 Other _____ (Specify type and size)

Size Intake/Bore _____ mm x Outlet/Stroke _____ mm
 Duty discharge _____ litres/second Duty head _____ metres
 Gravity Channel Max. depth _____ metres Length _____ metres
 Diversion Top width _____ metres Bottom width _____ metres
 Pipe Diameter _____ mm Length _____ metres

Purpose of work

Irrigation → Crop type _____ Area _____ ha
 Domestic Stockwater Waterharvesting Aquaculture
 Dairying Industrial Piggery → Breeding sows
 Environmental enhancement Feedlot → Maximum head _____
 Other _____

Required Annual Allocation _____ megalitres from this source (For regulated streams only)

STORAGES

Complete this section for a storage located on a watercourse and/or a referable dam.

APPLN NO. _____

Name of Watercourse _____

Work situated on _____ (Portion, Lot, RP etc)

Parish _____ County _____

Work is now Proposed Existing

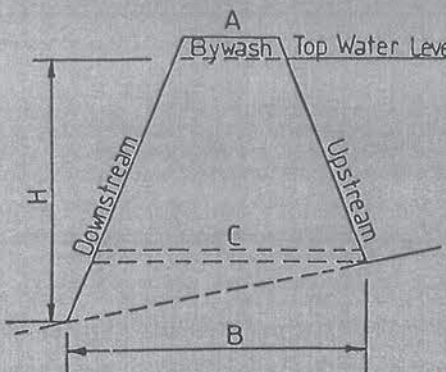
Is application to replace/amend existing licence? No Yes If Yes, supply existing licence number _____

Description of work

Dam Weir Excavation eg Earth, Concrete, Rock, Timber etc.

Construction method _____
 Height of Wall/Depth of excavation _____ metres
 Thickness at crest (A) _____ metres
 Length of crest/Excavation length _____ metres
 Base (B)/Excavation Width _____ metres
 Diameter of outlet pipe (C) _____ mm
 Height of bywash/spillway above bed level (H) _____ metres
 Width of bywash/spillway _____ metres
 Distance of backup at top water level _____ metres
 Storage capacity _____ megalitres (approx.)

Purpose of work
 Irrigation Domestic Stockwater Waterharvesting
 Dairying Industrial Aquaculture Piggery
 Feedlot Environmental enhancement
 Other _____



BORES - ARTESIAN AND SUB-ARTESIAN

Complete this section for a proposed or existing water bore.

APPLN NO. 94110

Work situated on _____

P 127, P 128, P 129 or P 130 (Portion, Lot, RP etc)

Parish _____ Miles _____ County Derby

Total property area 1848 ha.

To supply water to _____

AQC (WILKIE CREEK) PTY LTD MINE & ADJACENT PROPERTIES

Parish _____ County _____

Work is now Proposed Existing (State date drilled) 09-94

Is application to replace/amend existing licence? No Yes If Yes, supply existing licence number _____

Description of work

Sub-Artesian Bore Artesian (flowing) Bore
 Local Bore Name WILKIE CREEK NO. 3
 Depth of bore 742 metres Estimated Actual

Bore casing details

Diameter (mm)	From (metres)	To (metres)	Material (Steel/PVC)
300	0	5	STEEL
250	5	4	STEEL
200			STEEL

Purpose of work

Irrigation → Crop type _____ Area _____ ha
 Domestic Stockwater Waterharvesting Aquaculture
 Dairying Industrial Piggery → Breeding Sows
 Environmental enhancement Feedlot → Maximum head _____
 Other _____

Required Annual Allocation ~~600~~ 600 megalitres from this source

LEEVE BANKS, STREAM DIVERSIONS AND OTHER WORKS

Complete this section for levee banks, stream diversions or other stream improvements.

APPLN NO. _____

Name of Watercourse _____

Work situated on _____ (Portion, Lot, RP etc)

Parish _____ County _____

Work is now Proposed Existing

Is application to replace/amend existing licence? No Yes If Yes, supply existing licence number _____

Description of work

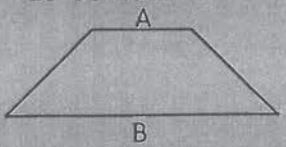
Levee Bank Maximum height _____ metres Total length _____ metres
 Thickness at crest (A) _____ metres
 Thickness at base (B) _____ metres
 Is there a Levee Bank on the opposite side of the stream? Yes No

Stream Channel Length _____ metres Depth _____ metres
 Diversion Top width _____ metres Bottom width _____ metres
 Pipe Diameter of pipes _____ mm Length _____ metres

Other Works (Provide full details of proposal) _____

Purpose of work

Flood prevention Erosion Prevention
 Stream diversion Drainage
 Other _____



REPORT ON APPLICATION FOR
WATERWORKS LICENCE (BORE)

APPLICATION NO. 94110

SPECIAL CONDITIONS:

DATE 03.06.1994
N FLOWING

EXISTING
~~STOCK INTENSIVE~~ ARTESIAN AQUIFERS
NON-FLOWING

KEY_NO	COND_NO	SERIAL_NO	VALU
SIEXNF	2.050		
SIEXNF	2.070	1	feedlot/piggery/poultry etc. DELETE
SIEXNF	4.0102	1	** PROPERTY DESC ** <i>L127/129 PLAN BY 311 L130</i>
SIEXNF	4.0102	2	** PROPERTY DESC ** <i>PLAN BY 408 PARISH MILLS</i>
SIEXNF	4.020	1	1st September to 31st August
SIEXNF	4.031	1	** ALLOCATION ** <i>COUNTY DERBY</i>
SIEXNF	4.100		
SIEXNF	4.130		
SIEXNF	5.014	1	**LICENCE NO** <i>94110</i>
SIEXNF	5.014	2	the discharge pipe from the bore.
SIEXNF	5.018		
SIEXNF	5.020	1	licensee.
SIEXNF	5.022		
SIEXNF	5.070	1	monthly
SIEXNF	5.070	2	annually.
SIEXNF	6.007		

4.042

RTI RELEASE - DNRM

DETAILS OF APPLICATION, OBJECTORS AND REFERRALS

Applic. No. 94110 Date of Applic.: 9/14 Date Received: 26/9/94

DRAFT LICENCE DOCUMENT AND SPECIAL CONDITIONS
(TO BE COMPLETED IN CONJUNCTION WITH INSPECTION REPORT)

AQC (Wilkie Creek) Pty Ltd
GPO Box 2256
BRISBANE Q 4001

Name and Address of Licensee

Licence Number: 94110 Expiry Date: 30.1.2004 File Number: 11714

Description of Works

Sub-Artesian Bore

Licensed Depth: 742m

Year Drilled: 1994

Location of Works:

Description: L128 on Plan DY317

Parish: Miles

County: Derby

To Supply: L129/129 on Plan DY317 & L130 on Plan DY458
Miles / Derby

Purpose of Works: Industrial, ~~Water Harvesting~~
Domestic

Date of Original Issue:

LICENCE STRUCTURE
(See over for Special Conditions)

SIEXNF WITH DELETIONS

ACTION SEQUENCE

	Signature	Date	Initials	Date
Investigated by				
Prepared by				
Recommended		17/11/94		
Endorsed	s.49 - Signature			
Approved		23/11/94		

WORKS	<input type="checkbox"/> Existing Sub-Artesian Bore	Depth: 742 metres (Nominal y /no)
	<input type="checkbox"/> Proposed Sub-Artesian Bore	Casing: Dia. (mm) Top (m) Bottom (m)
	<input type="checkbox"/> Existing Artesian Bore	(Nominal 300 0)
	<input type="checkbox"/> Proposed Artesian Bore	y /no 250
	<input type="checkbox"/> Deepening	200
	<input type="checkbox"/> Re-Lining	Cementing: Dia. (mm) Top (m) Bottom (m)
	<input type="checkbox"/> Increase in Allocation	(Nominal yes/no)

SUB BASIN	SUB AREA	AQUIFER SYSTEM
4223		

LOCATION

Location of Work: L128 on Plan DY317
Miles / Derby

Additional Relevant Property (eg. to Supply): L127/129 on Plan DY317 + L130 on Plan DY458
Miles / Derby

Remarks (Siting Compliance):

PURPOSE

Stock
 Intensive Stockwatering (Feedlot, Piggery, Poultry)
 Irrigation
 Industrial
 School Water Supply
Other (Specify): Water Harvesting, Domestic

OBJECTION DISTANCE

Distance from Property Boundary: m/km

Comments:

ADVERTISING

Newspapers	Date Advertised	Objection Closing Date
CHRONICLE	8/10/94	28/10/94

OBJECTIONS

Received from	Date Received	Acknowledged

ALLOCATION

This Application Annual Requirement MI/W.Y.	Allocation MI/W.Y.		Potential Maximum Allocation MI/W.Y.
	Existing	Proposed	

Development Details 168233

Compiled on 18-January-2007 at 11:56 AM



The information contained herein is a record of the works authorised by a development approval given by a decision notice under the *Integrated Planning Act 1997*. The conditions shown are conditions applied by this agency as the Assessment Manager which authorised the development.

Statement of Works

Reference 168233
Description of Land On Lot 128 on DY317
Date Given 19/04/2002

Works Reference 94029R

Subartesian bore that taps the HUTTON SANDSTONE.
Total depth 979.0 metres.
Located on Lot 128 on DY317.
Registered Number 94029.

RTI DL RELEASE - DNRM

Development Details 168233

Compiled on 18-January-2007 at 11:56 AM



**Queensland
Government**

**Natural Resources
and Water**

The information contained herein is a record of the works authorised by a development approval given by a decision notice under the *Integrated Planning Act 1997*. The conditions shown are conditions applied by this agency as the Assessment Manager which authorised the development.

Conditions: Schedule A

3-1.062

The chief executive may direct the licensee to carry out any protective cementings he considers necessary to exclude saline water or for any other purpose.

3-2.010A

The chief executive or any person authorised by him shall have full and free access to the bore at all reasonable times for the purpose of carrying out any inspection or test of the bore and its fittings or of reading or repairing any water meter installed.

3-2.020A

The licensee shall carry out any work or make any alteration deemed necessary by the Chief Executive for the protection or proper maintenance of the bore.

3-2.030A

The licensee or his personal representative or his successor in interest shall notify the Chief Executive immediately of any change or divestment of interest in the land whereon the bore is constructed or proposed to be constructed.

3-2.042

If the bore is abandoned the licensee shall plug the bore with cement between such depths as the chief executive directs.

3-2.050

If the chief executive considers that pollution of the aquifer is occurring or may occur as a result of the manner in which water from the bore is being used, the licensee shall carry out such remedial measures as the chief executive may consider necessary to eliminate or prevent such pollution.

3-3.010

The supply of water from this bore shall be controlled to the satisfaction of the chief executive, by valves and piping to tanks and /or troughing without the use of bore drains.

3-6.007

The licensee shall install in the bore a high pressure air line of a type and in a manner approved by the chief executive to monitor the effect of pumping from the bore.

10 JUL 1998

REGISTERED

AQC (Wilkie Creek) Pty Ltd
PQ Box 260
DALBY Q 4405

Dear Sir/Madam

**WATERWORKS LICENCE NO G 94029
EXPIRY DATE:- 31/01/2005**

Attached is the above Waterworks Licence for a bore amended and renewed under the Water Resources Act 1989-90.

Your attention is drawn to the explanatory notes and conditions endorsed on the Licence. Please ensure that the work is operated in compliance with Licence conditions.

Please note that the nominal groundwater allocation will be determined upon completion of the drilling program. The maximum groundwater allocation that will be considered is 600 megalitres per annum. This will be determined and reviewed on the basis of actual supplies obtained from this and any other bores drilled.

Any amendment to the works, including purpose and use will be subject to re-application and in certain cases advertising. Any proposed changes should therefore be referred to this Office for advice concerning the need for re-application.

Upon sale of the property on which the work is located or sale of any part of the property subject to benefit from the work, licences will need to be transferred and in the case of licences with an attached nominal groundwater allocation, the nominal allocation will need to be reviewed.

Under Section 49 of the Water Resources Act 1989-1990, a licence ceases to exist from the date of disposal of the subdivided area and is subject to re-application if the area subdivided is greater than 1 hectare.

Please ensure that you advise this Office of any change in property ownership including details of additional property acquired that will derive benefit from any existing or proposed work for which a nominal groundwater allocation applies.

If you are dissatisfied with the decision of the Chief Executive, you may appeal to the Land Court in accordance with Section 51 of the Water Resources Act 1989. A copy of Section 51 is enclosed and you are advised to read it carefully.

A notice of appeal must be filed in the Land Court Registry within 30 days after the date of the notification of the decision. A copy of the notice must be served on the Chief Executive within 14 days after filing it in the Court. The notice of appeal must state the grounds upon which you intend to rely.

At such time and place as set down by the Land Court for hearing of any appeal, it would be necessary for you or your legal representative to appear and tender evidence in support of such appeal.

Your licence is an important document and care should be taken to preserve it.

Yours faithfully

s.49 - Signature

for Principal Officer
WATER & CATCHMENT MANAGEMENT
DARLING DOWNS DISTRICT

RTI DL RELEASE - DNRIM

WATERWORKS LICENCE

Page 1 of 3

AQC (WILKIE CREEK) PTY LTD
PO BOX 260
DALBY QLD 4405

Licence Number G-94029 Expiry Date 31/01/2005

Description of Works

SUB ARTESIAN BORE
DRILLED 10/08/1994
LICENSED DEPTH 979.0 m

Location of Works

128/DY317 PAR:MILES

To Supply

127/128/DY317 130/DY458 162/RR865871 PAR:MILES

Purpose of Works DOMESTIC SUPPLY INDUSTRIAL

Date of Original Issue 10/08/1994

This Licence is issued under the Water Resources Act 1989 and is subject to the terms endorsed hereon or attached hereto.

It is the licensee's responsibility to apply for renewal of this Licence before it expires irrespective of the Chief Executive sending an expiry notice.

Issued at TOOWOOMBA this FIRST of JULY 1998

s.49 - Signature

SENIOR TECHNICAL OFFICER

Customer No: 13316 File No: T 1714
Dept. of Natural Resources, 203 TOR STREET, PO BOX 318, TOOWOOMBA, QLD, 4350
Telephone: (076) 881 000 Facsimile: (076) 881 188

Schedule of Licence Terms

Licence Number G-94029

Expires 31/01/2005

- 1.062 The Chief Executive may direct the licensee to carry out any protective cementings he considers necessary to exclude saline water or for any other purpose.
- 2.010A The Chief Executive or any person authorised by him shall have full and free access to the bore at all reasonable times for the purpose of carrying out any inspection or test of the bore and its fittings or of reading or repairing any water meter installed.
- 2.020A The licensee shall carry out any work or make any alteration deemed necessary by the Chief Executive for the protection or proper maintenance of the bore.
- 2.030A The licensee or his personal representative or his successor in interest shall notify the Chief Executive immediately of any change or divestment of interest in the land whereon the bore is constructed or proposed to be constructed.
- 2.042 If the bore is abandoned the licensee shall plug the bore with cement between such depths as the Chief Executive directs.
- 2.050 If the Chief Executive considers that pollution of the aquifer is occurring or may occur as a result of the manner in which water from the bore is being used, the licensee shall carry out such remedial measures as the Chief Executive may consider necessary to eliminate or prevent such pollution.
- 2.070 This bore may be used to supply a feedlot/piggery/poultry, etc only if the licensee is authorised in accordance with the Stock Act 1915-1989 and the licensee complies with the requirements of the Clean Waters Act of 1971-1988.
- 3.010 The supply of water from this bore shall be controlled to the satisfaction of the Chief Executive, by valves and piping to tanks and /or troughing without the use of bore drains.
- 3.011 The licensee is permitted to install a pump on this bore provided that the water is reticulated only by pipeline to tanks and troughing.
- 4.0102 The real property associated with this bore shall be L127 & L128 DY317, L162 RP865871 & L130 DY458 Parish of Miles, County of Derby
- 4.020 A water year shall be from 1st September to 31st August
- 4.042 After the completed bore is tested to the satisfaction of the Chief Executive, he shall prescribe the nominal allocation.
- 4.054 The announced allocation (the proportion of the aggregate nominal allocation which may be used in any water year) of this and other waterworks supplying the same associated real property shall be as approved by the Chief Executive.

Schedule of Licence Terms

Licence Number G-94029

Expires 31/01/2005

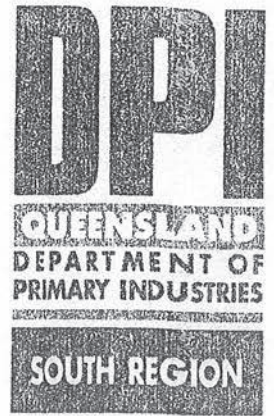
- 4.100 Should the real property associated with this bore be sold in part or in whole, the allocation shall be redistributed, reduced or revoked in a manner determined by the Chief Executive.
- 4.130 The volume of water withdrawn in any water year shall not exceed the allocation.
- 5.014 Upon completion and equipping of the Waterworks Licence no. 94029 the licensee shall at his own expense supply and install a water meter on the discharge side of the pump..
- 5.018 The meter/s shall be installed to the satisfaction of the Chief Executive.
- 5.020 The water meter shall be maintained at the expense of the licensee..
- 5.022 The licensee shall ensure that the meter is not removed for any reason without the written approval of the Chief Executive and the licensee shall ensure that no action is taken which results in the meter failing to correctly measure the volume of water withdrawn by means of the licensed work.
- 5.070 The licensee shall record metered use quarterly and forward the records to the Chief Executive at the end of each quarter.
- 6.007 The licensee shall install in the bore a high pressure air line of a type and in a manner approved by the Chief Executive to monitor the effect of pumping from the bore.

--oOo--

26 AUG. 1994

CERTIFIED

AQC (Wilkie Ck) Pty Ltd
PO Box 2256
BRISBANE Q 4001



Dear Sir/Madam,

WATERWORKS LICENCE NO. B 94029
EXPIRY DATE: 31/08/1995

Attached is the above Waterworks Licence for a bore issued under the Water Resources Act 1989-90 together with a copy of the Licence for the Drilling Contractor and a supply of drilling log forms.

Your attention is drawn to the explanatory notes and to the conditions endorsed on the Licence.

The Licence has been issued for a period of twelve months and will be subject to renewal after that period either as proposed work if the bore has not been drilled or existing work if the bore has been completed and drilling logs have been submitted.

Should the works not be completed during the currency of this Licence, a further renewal a period of twelve months would be considered. Failure to complete the works after the second renewal period will result in you being asked to show cause why the Licence should not be cancelled.

Please note that in accordance with Condition 4.042 the nominal groundwater allocation will be determined upon completion of the work and receipt of drilling logs. It is very important that the supply obtained is indicated on the logs.

It is also important that any production bore obtained not be equipped until drilling logs are submitted, supply tested and a nominal groundwater allocation determined. The procurement and installation of equipment prior to an allocation being approved is at the risk of the Licensee.

The maximum groundwater allocation that will be considered is 600 megalitres per annum. This will be determined and reviewed on the basis of actual supplies obtained from this and any other bores drilled.

Enquiries To: Mr. Ross Carruthers Your Ref: Our Ref: T 1714
566-572 Ruthven Street, PO Box 3180, Village Fair, Toowoomba Q 4350
Telephone: (076) 319 200 Facsimile: (076) 329 948

WATER RESOURCES

If you are dissatisfied with the decision of the Chief Executive, you may appeal to the Land Court in accordance with Section 4.26 of the Water Resources Act 1989. A copy of Section 4.26 is enclosed and you are advised to read it carefully.

A notice of appeal must be filed in the Land Court registry within 30 days after the date of the notification of the decision. A copy of the notice must be served on the Chief Executive within 14 days after filing it in the Court. The notice of appeal must state the grounds upon which you intend to rely.

At such time and place as set down by the Land Court for hearing of any appeal, it would be necessary for you or your legal representative to appear and tender evidence in support of such appeal.

Also attached is Licence No B 86828 that has been amended and renewed. Please note the conditions endorsed thereon.

Your Licences are important documents and care should be taken to preserve them.

Yours faithfully,

s.49 - Signature

for DISTRICT MANAGER
WATER RESOURCES
TOOWOOMBA

THIS IS A TRUE COPY OF A LETTER SENT TO AOC (WILKIE CK)

s.49 - Signature

RTI DL RELEASE - DNRM

WATERWORKS LICENCE

Name and Address of Licensee

AQC (WILKIE CREEK) PTY LTD
GPO BOX 2256
BRISBANE Q 4001

Licence Number B 94029 Expiry Date 31/08/1994⁵ File Number T 1714

Description of Works

SUB-ARTESIAN BORE

Licensed Depth 900.0 metres
Year Drilled PROPOSED

Location of Works

Description
Parish
County

LOT 128 DY 317
~~L127/129 PLAN DY317 & L130 PLAN DY458~~
MILES
DERBY

To Supply

~~L127/129~~ Plan DY317 & L130 Plan DY458 Parish of Miles, County of Derby

LOT 162 RP 865871 ~~LOT 128 DY 317~~

Purpose of Works

Industrial, Domestic

Date of Original Issue 10/08/1994

It is the licensee's responsibility to apply for renewal of this Licence before it expires, irrespective of the Chief Executive, Primary Industries Corporation sending an expiry notice.

This Licence is issued under the Water Resources Act 1989 and is subject to the terms endorsed hereon or attached hereto.

Issued at.....TOOKOONBA.....

this.....TENTH..... day of.....AUGUST..... 19.94.....

s.49 - Signature

SENIOR TECHNICAL OFFICER

SCHEDULE OF TERMS FOR LICENCE NUMBER

Page 2 of 4

8 94029

EXPIRY DATE

31/08/1994

- 001A The drilling of any facility under the terms of this licence shall only be carried out by a driller who is licensed to construct the type of works described hereon.
- 010A The licensee shall supply a copy of this licence to the driller.
- 020A The licensee shall, with the assistance of the driller and within 14 days of the completion of the bore, complete and return Departmental drilling log forms containing details of every production bore and every test hole and he shall provide a sketch plan showing the location of each hole in relation to each other and to real property boundaries.
- 030A The licensee shall forward water samples for chemical analysis to the Chief Executive as directed by him.
- 040 The bore shall be constructed as directed by the Chief Executive to tap only the aquifer/s in THE HUTTON & PRECIPICE SANDSTONES and shall not ANY SHALLOWER AQUIFERS
- 044 The depth of the bore shall not exceed the licensed depth.
- 050A The licensee shall install the work for which this licence is granted within two (2) years from the date of original issue of the licence.
- 051 The lengths of bore casing shall be as approved by the Chief Executive to allow the flow from the target aquifer to be made fully controllable.
- 052 The casing used shall be in accordance with Australian Standard AS 1074 - 1980 or AS 1396 - 1979 for steel bore casing or it shall meet such other specification for steel or other material as approved by the Chief Executive.
- 0533 The bore shall be lined with the following strings of casing or tubing unless otherwise approved by the Chief Executive:
300mm from 0 to 5 metres CEMENTED
250mm from 0 to 530 metres CEMENTED
200mm from 530 to 900 metres
- 057 The diameter of the bore hole shall be a minimum of 40 mm larger than the outside diameter of the outer casing to allow for at least 20mm thickness of cement grout.
- 060 All cementing shall be carried out in the presence of and to the satisfaction of the authorised officer who shall determine when any subsequent drilling continues.
- 061 The licensee shall give the District Manager at Toowoomba at least 14 days days notice of his intention to start cementing.
- 062 The Chief Executive may direct the licensee to carry out any protective cementings he considers necessary to exclude saline water or for any other purpose.
- 090 In the event of an artesian flow being obtained, the licensee shall carry out such works as the Chief Executive may direct to control the

SCHEDULE OF TERMS FOR LICENCE NUMBER

Page 3 of 4
B 94029

EXPIRY DATE

31/08/1994

flow from the bore. The water shall not be distributed by bore drains but through valves and piping to tanks and/or troughing.

- .010A The Chief Executive or any person authorised by him shall have full and free access to the bore at all reasonable times for the purpose of carrying out any inspection or test of the bore and its fittings or of reading or repairing any water meter installed.
- .020A The licensee shall carry out any work or make any alteration deemed necessary by the Chief Executive for the protection or proper maintenance of the bore.
- .030A The licensee or his personal representative or his successor in interest shall notify the Chief Executive immediately of any change or divestment of interest in the land whereon the bore is constructed or proposed to be constructed.
- .042 If the bore is abandoned the licensee shall plug the bore with cement between such depths as the Chief Executive directs.
- .050 If the Chief Executive considers that pollution of the aquifer is occurring or may occur as a result of the manner in which water from the bore is being used, the licensee shall carry out such remedial measures as the Chief Executive may consider necessary to eliminate or prevent such pollution.
- .0102 The real property associated with this bore shall be
L127/129 Plan DY317 & L130 Plan DY458 Parish of Miles, County of Derby
~~DY317 / LOT 162 RP 809871 & LOT 128 DY317~~
- .020 A water year shall be from 1st September to 31st August.
- .042 After the completed bore is tested to the satisfaction of the Chief Executive, he shall prescribe the nominal allocation.
- .100 Should the real property associated with this bore be sold in part or in whole, the allocation shall be redistributed, reduced or revoked in a manner determined by the Chief Executive.
- .120A The holder of this licence shall pay the prescribed licence fee and other such fees and charges as are determined by the Chief Executive from time to time together with interest thereon in respect of water allocated or taken and water taken in excess of the quantity of water authorised to be taken. Such fees and charges are payable within 30 days after the date of issue thereof by the Chief Executive at the place specified in the notice.
- .130 The volume of water withdrawn in any water year shall not exceed the allocation.
- .014 Upon completion and equipping of the Waterworks Licence no. 94029 the licensee shall at his own expense supply and install a water meter on on the discharge side of the pump..
- .018 The meter/s shall be installed to the satisfaction of the Chief Executive.

SCHEDULE OF TERMS FOR LICENCE NUMBER

Page 4 of 4
B 94029

EXPIRY DATE

31/08/1994

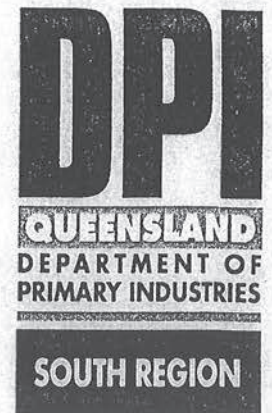
- 5.020 The water meter shall be maintained at the expense of the licensee.
- 5.022 The licensee shall ensure that the meter is not removed for any reason without the written approval of the Chief Executive and the licensee shall ensure that no action is taken which results in the meter failing to correctly measure the volume of water withdrawn by means of the licensed work.
- 5.070 The licensee shall record metered use monthly and forward the records to the District Manager at annually.
- 5.007 The licensee shall install in the bore a high pressure air line of a type and in a manner approved by the Chief Executive to monitor the effect of pumping from the bore.

RTI DL RELEASE - DNRM

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b002w^@

21 September 1994

AQC (Wilkie Creek) Pty Ltd
GPO Box 2256
BRISBANE Q 4001



Dear Sir

PERFORMANCE - BORE RN 94029

Reference is made to the pumping test carried out on the above bore on 25 August to 30 August 1994. The following comments are made on its likely performance.

At the outset it should be noted that the pumping test conducted makes the determination of turbulent head losses within the bore impossible to calculate. Consequently the long term design or pumping rate can only be calculated up to a maximum of twice the test rate ie. 2.50 litres per second.

Should you wish this Department to provide an assessment of the bores long term design or pumping rate at above twice the test rate, a further 24 hour step drawdown pumping test must be conducted, preferably at a deeper pump suction setting.

LONG TERM PUMPING RATE

Prior to the start of the test the standing water level in the bore was 44.77 metres below ground level.

Allowing for a 20 metre decline in water level to take into account the expected regional diminution of pressure within the Great Artesian Basin and to offset turbulent head loss effects likely when the bore is pumped at rates greater than the test rate, the table below gives long term pumping rates which should be obtained at various pump suction depths.

Pump Suction Depth (m)	Design Rate (l/s)
120	1.0
180	1.75
240	2.5

WATER BED & BORE CONSTRUCTION

The bore appears to be of sound construction and to have a stable water bed.

WATER QUALITY

This Department has no information on the quality of water from the bore. Should you wish a sample of water can be forwarded to this office for analysis. Analysis will take four to six months. Alternatively if you have arranged for analysis by a private analyst we would appreciate a copy of the report for our records.

Enquiries To: Mr G Embleton Your Ref: Our Ref: T 1714
566-572 Ruthven Street, PO Box 3180, Village Fair, Toowoomba Q 4350
Telephone: (076) 319 200 Facsimile: (076) 329 948

WATER RESOURCES

GENERAL

Please find enclosed an invoice for \$180.00 covering the analysis of the pumping test and the provision of this report.

It is pointed out that information given either verbally or in writing by this Department or its Officers is based on observation and analysis of available data by trained personnel and is accurate as far as can be judged, the Department can accept no responsibility for results obtained.

If you are uncertain of anything in this report or if this Department can further assist, please contact Greg Embleton at this Office.

Yours faithfully

s.49 - Signature

Gr District Manager
**WATER RESOURCES
TOOWOOMBA**

RTI DL RELEASE - DNRM

CONDAMINE DRILLING PTY. LTD.

DRILLING AND WATER
SUPPLY ENGINEERS

CONDAMINE DRILLING PTY. LTD
ME. 1444, INDUSTRIAL AVENUE
TOOWOOMBA QLD. 4350
Telephone (076) 34 1122

MR. A.M. GEBBETT
MR. P.G. SCHMACKER
MR. I.M. GEBBETT

WORKSHOP:-
INDUSTRIAL AVE
TOOWOOMBA 4350

DATE 6.9.94

FACSIMILE TO: W.R.C.

FAX NO: 329948

FOR ATTENTION OF: MR. R. CARRUTHERS

FROM: IAN. GEBBETT

MESSAGE CONSISTS OF THIS PAGE ONLY/PLUS 2..... ADDITIONAL PAGES

MEMO DETAILS

RTI DL RELEASE - DNRM

BORE N^o : WILKECKN^o2

OWNER ALLIED OLD COAL CASING I.D. 8" x 6" ID DATE: 25-8-94

COLUMN DEPTH 375' AIR TUBE 375' BORE LIC. _____

INITIAL AIR PRESSURE 227' S.W. LEVEL: 146'8" ORIFICE PLATE 6"x1"

TEST STARTED 1AM						RECOVERY	
TIME	AIRLINE PRESS	TUBE HEIGHT	G.P.H.	DRAW DOWN	VACUUM	AIRLINE	RESID. D.DOWN
ZERO	227	875 _{net}	1000				
MINS 1	-	"	"				
2	145	"	"	82			
5	123	"	"	104			
10	115	"	"	112			
15	101	"	"	126			
20	86	"	"	141			
25	79	"	"	148			
30	73	"	"	154			
35	69	"	"	158			
40	66	"	"	161			
45	64	"	"	163			
50	63	"	"	164			
55	63	"	"	164			
1 HR 00	63	"	"	164			
15 HR	60	"	"	167			
2 HR	59	"	"	168			
3	55	"	"	172			
4	56	"	"	171			
5	50	"	"	177			
6	50	"	"	177			
8	46	"	"	181			
10	44	"	"	183			
12	43	"	"	184			
14	41	"	"	186			
16	41	"	"	186			
20	41	"	"	186			
24	39	"	"	188			
28	38	"	"	189			
32	36	"	"	192			
36	33	"	"	194			
40	33	"	"	194			

RTI/DI RELEASE - DNR/M

TOTAL DIESEL USED:

SIGNED: H. PECK

BORE NO : WILKIECK N2

OWNER ALLIED OLD COAL CASING I.D. 8" x 6" ID DATE: 25-8-94

COLUMN DEPTH 375' AIR TUBE 375' BORE LIC. _____

INITIAL AIR PRESSURE 227' S.W. LEVEL: 146' 8" ORIFICE PLATE: 6" x 1"

TIME	AIRLINE PRESS	TUBE HEIGHT	G.P.H.	DRAW DOWN	VACUUM	RECOVERY		
						AIRLINE	RESID. D.DOWN	TIME
ZERO	227	875	1000			50'	177	ZERO
44 hrs	33	"	"	194		-	-	1 min
48	36	"	"	191		105'	122	3 min
52	38	"	"	189		143	84	5
56	39	"	"	188		155	72	10
60	38	"	"	189		164	63	15
64	30	"	"	197		171	56	20
68	32	"	"	195		176	51	25
71	36	630	846	191		180	47	30
74	50	685	882	177		187	40	45
76	50	"	"	177		192	35	1 hour
80	50	"	"	177		195	32	1 1/2 hr
84	50	"	"	177		NO READING		2 HR
88	49	"	"	178		CHANGE AIRLINES		4 HR
92	50	"	"	177		205	22	5
97	50	"	"	177		208	19	6
100	50	"	"	177		208	19	7
						208.5	18.5	8
						210	17	10
						211	16	15
						211.5	15.5	17 HR

RTI/DI RELEASE

TOTAL DIESEL USED:

SIGNED: _____

QUEENSLAND WATER RESOURCES COMMISSION

Drawdown Sheet

Sheet No. 1

MEASURED BORE	Owner	Registered No.
	Address	Site
PUMPED BORE	Owner <i>AQC Wilkie Ck</i>	Registered No. <i>94029</i>
	Address	Site
TEST DETAILS	Date Pumping Commenced <i>25/8/94</i> Time <i>11:00</i> am/pm	Test No.
	Date Pumping Ceased _____ Time _____ am/pm	

Are the measurements below for the pumped bore? YES/NO S.W.L. *44.77* m below G.L. below Ref. Pt.

WATCH TIME			ELAPSED TIME MINS.	GAUGE KPA	HEIGHT WATER IN TUBE METRES	DRAW-DOWN METRES	WATER LEVEL FROM RP METRES	DISCHARGE		REMARKS etc.
Hr	Min	am/pm						mm	L/sec	
<i>11</i>	<i>00</i>	<i>Am</i>	<i>1</i>					<i>1.26</i>		<i>109.56 m³/d</i>
			<i>2</i>			<i>25.01</i>				
			<i>5</i>			<i>31.72</i>				
			<i>10</i>			<i>34.16</i>				
			<i>15</i>			<i>38.43</i>				
			<i>20</i>			<i>43.00</i>				
			<i>25</i>			<i>45.14</i>				
			<i>30</i>			<i>46.91</i>				
			<i>35</i>			<i>48.14</i>				
			<i>40</i>			<i>49.10</i>				
			<i>45</i>			<i>49.71</i>				
			<i>50</i>			<i>50.02</i>				
			<i>55</i>			<i>50.02</i>				
			<i>60</i>			<i>50.02</i>				
			<i>90</i>			<i>50.93</i>				
			<i>120</i>			<i>51.24</i>				
			<i>180</i>			<i>52.46</i>				
			<i>240</i>			<i>52.15</i>				
			<i>300</i>			<i>53.98</i>				
			<i>360</i>			<i>53.98</i>				
			<i>480</i>			<i>55.20</i>				
			<i>600</i>			<i>55.81</i>				
			<i>720</i>			<i>56.12</i>				
			<i>840</i>			<i>56.73</i>				
			<i>960</i>			<i>56.73</i>				
			<i>1200</i>			<i>56.73</i>				
			<i>1440</i>			<i>57.34</i>				
			<i>1680</i>			<i>57.64</i>				

RTI/DL RELEASE - DNRM

DRILLING LOG FOR BORE

LICENCE No. B 94029 TEST HOLE No. (if applicable) _____
 NAME OF LICENCEE A.P.C. (WILKIE OR PTY LTD) NO. 2
 ADDRESS C.P.O. Box 2256 BRISBANE
 CONTRACTOR LEWIS DRILLING DRILLER PETER LEWIS
 TYPE OF DRILLING RIG USED ROTARY DRILLERS LICENCE No. 9640

PARTICULARS OF STRATA				DATE COMMENCED	DATE COMPLETED				
FROM (metres)	TO (metres)	STRATA DESCRIPTION	WATER BEDS* THUS	CASING DETAILS					
			ROTARY BIT SIZE (mm)	LENGTH (metres)	SIZE O. D. (mm)	THICKNESS (mm)	LOCATION (metres)		
					FROM	TO	FROM	TO	
653	663	3m TR SAND	*						
663	699	DARK SANDY SHALE SAND	*						
699	709	DARK SANDY SHALE							
709	719	DARK SHALE SANDY GLEY							
718	727	SAND	*						
727	736	SAND TRACES COAL 2m							
736	745	COAL 8m							
745	756	SAND	*						
756	765	SAND & SHALE							
765	783	SANDSTONE & SHALE					653	756	
783	792	COAL, SAND, SHALE					589	614	
792	802	SHALE					882	964	
802	866	GREY SHALE SANDSTONE							
866	882	GREY SHALE + SANDSTONE							
882	891	SAND + SHALE 1m TR	*						
891	900	SAND & SHALE 1m TR	*						
900	919	DARK GLEY SAND COAL							
919	937	GREY SAND							
937	946	COAL COKE 1 + 2 METRE							
946	964	GREY SAND	*						
964	979	COAL SAND & SHALE							
TOTAL DEPTH (metres)				979					

RELEASE - DNRM
 EVERYONE
 MUTTONS

PUMPING TEST ON COMPLETED SUB-ARTESIAN BORE

STATE TYPE OF PUMP USED IN TEST

DEPTH TO STANDING WATER LEVEL FROM GROUND LEVEL	DEPTH TO PUMP SUCTION OR BOTTOM OF DRILL STEM GROUND LEVEL	SUPPLY	DURATION OF TEST	DRAWDOWN LEVEL FROM SURFACE
(metres)	(metres)	(litres per second)	(hours)	(metres)

ARTESIAN BORE ON COMPLETION

TOTAL FLOW	litres/sec.	CLOSED DOWN PRESSURE	kilopascals
	cubic metres/day		

SIGNATURE OF DRILLER _____ DATE 7-9-94

SIGNATURE OF LICENCEE _____ DATE _____

NOTE TO LICENCEE

Sketch of property, showing actual location of bore, to be drawn on back of this form.

BORE CEMENTING REPORT

BORE LICENSE NO.

NAME OF LICENSEE: QLD ALLIED COAL

ADDRESS:

PROPERTY NAME: KOGAN

LOCAL BORE NAME:

CONTRACTOR: LEWIS DRILLING

DRILLER: PETER LEWIS

DATE OF CEMENTING: 15/07/1994

SUPERVISOR: D Russell

RM 94041

DETAILS OF BORE AND CASING

CASING: 219mm OD WALL THICKNESS 6.3mm FROM 0M TO 552m

CEMENTING SLOT LOCATION: nil

HOLE: DIA 269.8mm FROM surface TO 552m

TOTAL DEPTH: 552m

DETAILS OF CEMENTING OPERATION

OUTER OR INNER: Outer

DEPTH TO BE CEMENTED: FROM surface TO 552m

REASON FOR CEMENTING: To seal out saline aquifers and Walloon coals.

METHOD OF WATER BED PROTECTION: Main water bed not yet struck. Target aquifers are Hutton Sandstone. Water struck so far is saline within Injune Creek Group.

DETAILS OF CEMENT PLANT: Paddle mixer and rig piston pump.

WAS CIRCULATION FIRST ESTABLISHED: Yes, by circulating water.

CEMENTING RESULTS

GROUT REQUIRED: Net 10760 l plus 25% extra = 13450 l (315 bags)

CEMENT USED: 300 bags (all on site) **MIX WATER:** 9000 L.

ANY ADDITIVES: Yes, 0.4% by weight Haliburton retarder HR4 (48 kg.)

ACTUAL RESULTS: Volume not measured, but s.g. was 1.6 which was lighter than expected due to severe aeration caused by retarder. Both volumes of water and grout was measured correctly at a rate of 1 bag per 30 l mix water.

FOLLOW WATER: 18388 l.

HOW WAS GROUT INTRODUCED: Pumped down casing to return via annulus, followed by water.

DID GROUT REACHED SURFACE: See below. **MAXIMUM PRESSURE:** 3100 kpa.

DID PRESSURE HOLD: Yes.

WAS CEMENTING SATISFACTORY: Yes, when topped up.

COMMENTS.

Hole was in good condition and of sound formation although it penetrated the full Walloon Coal Measure. Prior to cementing hole was still full of drilling mud following drilling. There were no hole losses. After the above cement and follow water was pump, grout failed to reached surface so an extra 2400 l of follow water was pumped to gain a return. The extra water was then let back out allowing the grout to recede back down the annulus to the casing shoe. The surface part of the hole would now be clear for top up. Driller to top up before drilling resumes. Some 56 bags of cement could be required.

D. RUSSELL. 18/7/1994

DEPARTMENT OF PRIMARY INDUSTRIES

WATER RESOURCES

566 - 572 Ruthven Street

P.O. Box 3180, Village Fair, Toowoomba QLD 4350

WATERWORKS LICENCE APPLICATION NO. B 94029

A.Q.C. (WILKIE CREEK) PTY LTD

WORKS: Proposed bore to a nominal depth of 900 metres on Portion 127, 128, 129 or 130, Parish of Miles, County of Derby, to operate in conjunction with another licenced bore to meet the industrial requirement of a Coal Mining Development with a nominal annual groundwater allocation of 600 megalitres. It is intended to target aquifers in the Hutton and Precipice Sandstones, part of the Surat Basin, a sub-unit of the Great Artesian Basin. Property is located approximately 10 kilometres east of Kogan.

Written objections to the applications are to be made to the Chief Executive at the above address. Closing date for objections from landholders within 30 kilometres of the affected lands described above is 27.05.1994. Objectors must state their property description, grounds for objection and quote relevant application number.

Enquiries, Phone (076) 319 200.

REPORT ON APPLICATION FOR WATERWORKS LICENCE (BORE)

APPLICATION NO. 94029

SPECIAL CONDITIONS:

DATE 04.08.1994
PAGE 1

STOCK INTENSIVE BORE TAPPING

KEY_NO COND_NO SERIAL_NO VALU

SIPRAF	1.040	1	** ACQUIFER NAME **	THE HUTTON & PRECIPICE SANDSTONES
SIPRAF	1.040	2	** EXCLUDE CERTAIN ACQUIFERS **	ANY SHALLOWER ACQUIFERS.
SIPRAF	1.044			
SIPRAF	1.051			
SIPRAF	1.052			
SIPRAF	1.0539	1	** CASING DETAILS **	300 MM FROM SURFACE TO 5 M CEMENTED
SIPRAF	1.0539	2		250 MM FROM 0 TO 300 M CEMENTED
SIPRAF	1.0539	3		200 MM FROM 300 TO 900 M
SIPRAF	1.057			530
SIPRAF	1.060			
SIPRAF	1.061	1	Toowoomba	
SIPRAF	1.061	2	14 days	
SIPRAF	1.062			
SIPRAF	1.090			
SIPRAF	2.042			
SIPRAF	2.050			
SIPRAF	2.070	1	feedlot/piggery/poultry, etc	DELTA
SIPRAF	4.010	1	** DESCRIPTION **	L 127/129 PLAN D4317 L 130 PLAN D4458
SIPRAF	4.010	2	** DESCRIPTION **	PARISH MILES COUNTY DERBY
SIPRAF	4.020	1	1st September to 31st August.	
SIPRAF	4.042			
SIPRAF	4.100			
SIPRAF	4.130			
SIPRAF	5.014	1	** license no **	94029
SIPRAF	5.014	2	on the discharge side of the pump.	
SIPRAF	5.018			
SIPRAF	5.020	1	licensee.	
SIPRAF	5.022			
SIPRAF	5.070	1	monthly	
SIPRAF	5.070	2	annually.	
SIPRAF	6.007			

RT/DI RELEASE - DNRM

DETAILS OF APPLICATION, OBJECTORS AND REFERRALS

Applic. No. 94029 Date of Applic.: 29/4/94 Date Received: 6/5/94

DRAFT LICENCE DOCUMENT AND SPECIAL CONDITIONS
(TO BE COMPLETED IN CONJUNCTION WITH INSPECTION REPORT)

AQC (Wilkie Creek) Pty Ltd
GPO BOX 2256
BRISBANE Q 4001

Name and Address of Licensee

Licence Number: 94029 Expiry Date: 31/8/1995 File Number: T1714

Description of Works:

Sub-Artesian/Artesian Bore

Licensed Depth: 900 m

Year Drilled:

Location of Works: L127/129 PLAN DY317 & L130 PLAN DY 458

Description: P127, 128, 129 or P130

Parish: Miles

County: Derby

To Supply:

Purpose of Works: Industrial, Waterharvesting, Environmental Enhancement, Domestic

Date of Original Issue:

LICENCE STRUCTURE (See over for Special Conditions) SIPRAF - DEETS 2.070

ACTION SEQUENCE

	Signature	Date	Initials	Date
Investigated by				
Prepared by				
Recommended				
Endorsed				
Approved		slalan		

WORKS	Type of Work	Depth: 900 metres (Nominal yes/no)
	<input type="checkbox"/> Existing Sub-Artesian Bore <input checked="" type="checkbox"/> Proposed Sub-Artesian Bore <input type="checkbox"/> Existing Artesian Bore <input type="checkbox"/> Proposed Artesian Bore <input type="checkbox"/> Deepening <input type="checkbox"/> Re-Lining <input type="checkbox"/> Increase in Allocation	Casing: Dia. (mm) Top (m) Bottom (m) (Nominal) 300 0 5 yes/no 250 5 400 200 400 900 Cementing: Dia. (mm) Top (m) Bottom (m) (Nominal) yes/no

SUB BASIN	SUB AREA	AQUIFER SYSTEM
4223		

LOCATION	Location of Work: P127, 128, 129 or P130 Miles Derby Additional Relevant Property (eg. to Supply)
----------	--

Remarks (Siting Compliance):

PURPOSE	<input type="checkbox"/> Stock <input type="checkbox"/> Intensive Stockwatering (Feedlot, Piggery, Poultry) <input checked="" type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Industrial <input type="checkbox"/> School Water Supply Other (Specify): Water Harvesting, Environment Enhancement
---------	--

OBJECTION DISTANCE	Distance from Property Boundary: m/km Comments:
--------------------	--

PROCESSING (If Applicable)

ADVERTISING	Newspapers	Date Advertised	Objection Closing Date
	CHRONICLE	7/5/94	27/9/94

OBJECTIONS	Received from	Date Received	Acknowledged

ALLOCATION	This Application Annual Requirement MI/W.Y.	Allocation MI/W.Y.	Potential Maximum Allocation MI/W.Y.
	600	Existing Proposed	



Water Resources
Water Resources Commission
Department of Primary Industries

PLEASE RETURN TO :

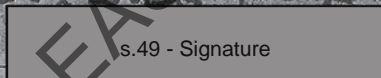
DEPT OF PRIMARY INDUSTRIES
WATER RESOURCES
PO BOX 3180
VILLAGE FAIR
TOOWOOMBA Q 4350

APPLICATION FOR WATERWORKS LICENCE

TO THE COMMISSIONER OF WATER RESOURCES

I/We AQC (Wilkie Creek) Pty Ltd of Level 28, Comalco Place, 12 Creek St Brisbane
being the owners or lawful occupiers of land situated in the State of Queensland, do hereby
apply for a licence to construct and use the works described herein.

Dated this 29th day of April 1994

*for and on behalf of
AQC (Wilkie Creek) Pty Ltd*


s.49 - Signature
Signature(s) of Applicant(s)

PLEASE NOTE

- (1) The application with the prescribed fee should be forwarded to the address shown above.
- (2) The onus is on the applicant to provide sufficient details including correct property descriptions. Failure to do so may render a subsequent licence invalid.

APPLICANT DETAILS

Name AQC (WILKIE CREEK) PTY LTD

Postal Address GPO BOX 2256
BRISBANE QUEENSLAND 4001

Property Address 28th FLOOR, COMALCO PLACE, 12 CREEK STREET, BRISBANE QLD 4000

Telephone No. Home (07) Business (07 229 7277)
(Tick preferred contact number)

FOR OFFICE USE ONLY

APPLN. FEE RECEIVED \$ 55 RECEIPT NO. 340605 DATE 9/5/94

WRC 1256 10/90

PUMPING FROM A WATERCOURSE

Complete this section to take water from a watercourse (including regulated streams).

APPLN
NO.

Name of Watercourse _____

Work situated on _____

(Portion, Lot, RP etc)

Parish _____ County _____

To supply water to _____

Parish _____ County _____

Work is now

Proposed Existing

Is application to replace/amend existing licence? No Yes If Yes, supply existing licence number _____

Description of work

Pump Type Centrifugal Mixed Flow Helical Rotor Jet
 Submersible Axial Flow Turbine Piston
 Other _____ (Specify type and size)
 Size Intake/Bore _____ mm x Outlet/Stroke _____ mm
 Duty discharge _____ litres/second Duty head _____ metres
 Gravity Channel Max. depth _____ metres Length _____ metres
 Diversion Top width _____ metres Bottom width _____ metres
 Pipe Diameter _____ mm Length _____ metres

Purpose of work

Irrigation → Crop type _____ Area _____ ha
 Domestic Stockwater Waterharvesting Aquaculture
 Dairying Industrial Piggery → Breeding sows
 Environmental enhancement Feedlot → Maximum head _____
 Other _____

Required Annual Allocation _____ megalitres from this source (For regulated streams only)

STORAGES

Complete this section for a storage located on a watercourse and/or a referable dam.

APPLN
NO.

Name of Watercourse _____

Work situated on _____

(Portion, Lot, RP etc)

Parish _____ County _____

Work is now

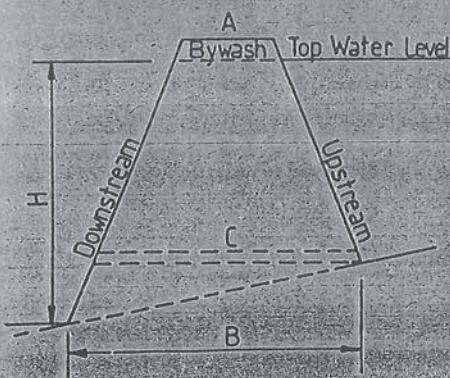
Proposed Existing

Is application to replace/amend existing licence? No Yes If Yes, supply existing licence number _____

Description of work

Dam Weir Excavation eg Earth, Concrete, Rock, Timber etc.

Construction method _____
 Height of Wall/Depth of excavation _____ metres
 Thickness at crest (A) _____ metres
 Length of crest/Excavation length _____ metres
 Base (B)/Excavation Width _____ metres
 Diameter of outlet pipe (C) _____ mm
 Height of bywash/spillway above bed level (H) _____ metres
 Width of bywash/spillway _____ metres
 Distance of backup at top water level _____ metres
 Storage capacity _____ megalitres (approx.)



Purpose of work

Irrigation Domestic Stockwater Waterharvesting
 Dairying Industrial Aquaculture Piggery
 Feedlot Environmental enhancement
 Other _____

BORES - ARTESIAN AND SUB-ARTESIAN

APPLN NO. 94029

Complete this section for a proposed or existing water bore.

Work situated P127, P128, P129 or P130 (Portion, Lot, RP etc)
Parish Miles County Derby
Total property area 1848 ha.

To supply water to AQC (WILKIE CREEK) PTY LTD MINE & ADJACENT PROPERTIES
Parish MILES County DERBY

Work is now Proposed Existing (State date drilled)

Is application to replace/amend existing licence? No Yes If Yes, supply existing licence number

Description of work Sub-Artesian Bore Artesian (flowing) Bore
Local Bore Name WILKIE CREEK NO.2
Depth of bore 900 metres Estimated Actual

Bore casing details

Diameter (mm)	From (metres)	To (metres)	Material (Steel/PVC)
300	0	5	steel
250	5	400	steel
200	900	900	steel

Purpose of work Irrigation -> Crop type Area ha
 Domestic Stockwater Waterharvesting Aquaculture
 Dairying Industrial Piggery -> Breeding Sows
 Environmental enhancement Feedlot -> Maximum head
Other

Required Annual Allocation 600 megalitres from this source.

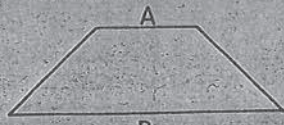
LEEVE BANKS, STREAM DIVERSIONS AND OTHER WORKS

APPLN NO.

Complete this section for levee banks, stream diversions or other stream improvements.

Name of Watercourse
Work situated on (Portion, Lot, RP etc)
Parish County

Work is now Proposed Existing
Is application to replace/amend existing licence? No Yes If Yes, supply existing licence number

Description of work
Levee Bank  Maximum height metres Total length metres
Thickness at crest (A) metres
Thickness at base (B) metres
Is there a Levee Bank on the opposite side of the stream? Yes No

Stream Channel Length metres Depth metres
Diversion Top width metres Bottom width metres
Pipe Diameter of pipes mm Length metres

Other Works (Provide full details of proposal)

Purpose of work Flood prevention Erosion Prevention
 Stream diversion Drainage
Other

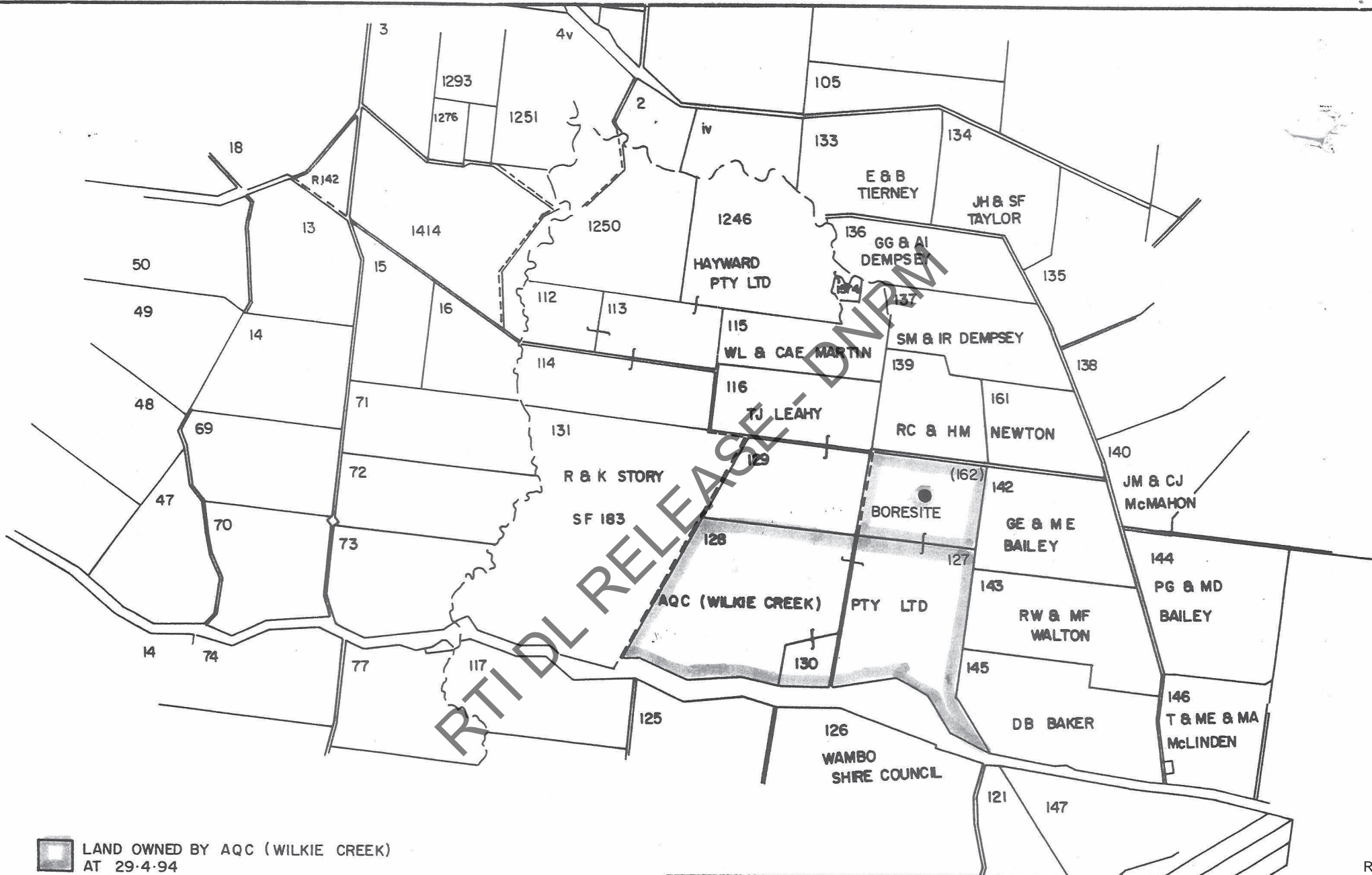
SKETCH PLAN SHOWING LOCATION OF WORKS




Include property boundaries, real property descriptions, existing licensed works and, where applicable, the position of the stream and area to be irrigated.

REFER PLAN ATTACHED SHOWING PREFERRED LOCATION.



RTI DL RELEASE - DNRM



-  LAND OWNED BY AQC (WILKIE CREEK) AT 29.4.94
-  LAND WHICH WILL BE OWNED BY AQC (WILKIE CREEK) BY END MAY 1994
-  PREFERRED NEW BORE SITE

AQC (WILKIE CREEK) PTY LTD		PROPOSED WATER BORE SITE PARISH OF MILES - COUNTY OF DERBY
DRAWING	DATE	
DRAWN CR	APR 94	
CHECKED PAR	APR 94	
APPROVED		
REVISED		

FIGURE
SCALE 1 : 100000
REVISION
DRAWING N°: WC GEN 08

Development Details 165504

Compiled on 25-February-2004 at 12:11 PM

Page 1 of 2



**Queensland
Government**

**Natural Resources,
Mines and Energy**

The information contained herein is a record of the works that were authorised by a licence or permit issued under the *Water Resources Act 1989*. This legislation has now been repealed and has been replaced by the *Water Act 2000*. Under the transitional provisions of the new legislation, an authorisation for works under the repealed Act is taken to be a Development Permit given under the *Integrated Planning Act 1997*.

Statement of Approved Works

Reference 165504
Description of Land On 127/DY317
Date Given 19/04/2002

Works Reference 86828R

Construction of a Subartesian Bore.
Must not exceed a total depth of 759 metres.
Must be located on 127/DY317.
Registered Number 86828.
Works Installed.

RTI DL RELEASE - DNRM



Development Details 165504

Compiled on 25-February-2004 at 12:11 PM

Page 2 of 2

**Queensland
Government**

**Natural Resources,
Mines and Energy**

The information contained herein is a record of the works that were authorised by a licence or permit issued under the *Water Resources Act 1989*. This legislation has now been repealed and has been replaced by the *Water Act 2000*. Under the transitional provisions of the new legislation, an authorisation for works under the repealed Act is taken to be a Development Permit given under the *Integrated Planning Act 1997*.

Conditions: Schedule A

3-1.062

The chief executive may direct the licensee to carry out any protective cementings he considers necessary to exclude saline water or for any other purpose.

3-1.090

In the event of an artesian flow being obtained, the licensee shall carry out such works as the chief executive may direct to control the flow from the bore. The water shall not be distributed by bore drains but through valves and piping to tanks and/or troughing.

3-2.010A

The chief executive or any person authorised by him shall have full and free access to the bore at all reasonable times for the purpose of carrying out any inspection or test of the bore and its fittings or of reading or repairing any water meter installed.

3-2.020A

The licensee shall carry out any work or make any alteration deemed necessary by the Chief Executive for the protection or proper maintenance of the bore.

3-2.030A

The licensee or his personal representative or his successor in interest shall notify the Chief Executive immediately of any change or divestment of interest in the land whereon the bore is constructed or proposed to be constructed.

3-2.042

If the bore is abandoned the licensee shall plug the bore with cement between such depths as the chief executive directs.

3-2.050

If the chief executive considers that pollution of the aquifer is occurring or may occur as a result of the manner in which water from the bore is being used, the licensee shall carry out such remedial measures as the chief executive may consider necessary to eliminate or prevent such pollution.

3-6.007

The licensee shall install in the bore a high pressure air line of a type and in a manner approved by the chief executive to monitor the effect of pumping from the bore.

WATERWORKS LICENCE

Name and Address of Licensee

AQC (WILKIE CREEK) PTY LTD
GPO BOX 2256
BRISBANE Q 4001

Licence Number B 86828 Expiry Date 31/01/2004 File Number T 1714

Description of Works

SUB-ARTESIAN BORE

Licensed Depth 759.0 metres
Year Drilled 1994

Latitude 27-03-20 Longitude 150-56-51

Location of Works

Description L127 ON PLAN DY317
Parish MILES
County DERBY

To Supply

L127/129 Plan DY317 & L130 Plan DY458 Parish of Miles, County of Derby
LOT 162 RP865871 & LOT 128 DY317

Purpose of Works

Industrial

Date of Original Issue 19/06/1990

It is the licensee's responsibility to apply for renewal of this Licence before it expires, irrespective of the Chief Executive, Primary Industries Corporation sending an expiry notice.

This Licence is issued under the Water Resources Act 1989 and is subject to the terms endorsed hereon or attached hereto.

Issued at.....TOOWOOMBA.....

this.....TENTH..... day of.....AUGUST..... 19.94.....

s.49 - Signature

SENIOR TECHNICAL OFFICER

SCHEDULE OF TERMS FOR LICENCE NUMBER

Page 2 of 3
B 86828

EXPIRY DATE

31/01/2004

- 062 The Chief Executive may direct the licensee to carry out any protective cementings he considers necessary to exclude saline water or for any other purpose.
- 090 In the event of an artesian flow being obtained, the licensee shall carry out such works as the Chief Executive may direct to control the flow from the bore. The water shall not be distributed by bore drains but through valves and piping to tanks and/or troughing.
- 010A The Chief Executive or any person authorised by him shall have full and free access to the bore at all reasonable times for the purpose of carrying out any inspection or test of the bore and its fittings or of reading or repairing any water meter installed.
- 020A The licensee shall carry out any work or make any alteration deemed necessary by the Chief Executive for the protection or proper maintenance of the bore.
- 030A The licensee or his personal representative or his successor in interest shall notify the Chief Executive immediately of any change or divestment of interest in the land whereon the bore is constructed or proposed to be constructed.
- 042 If the bore is abandoned the licensee shall plug the bore with cement between such depths as the Chief Executive directs.
- 050 If the Chief Executive considers that pollution of the aquifer is occurring or may occur as a result of the manner in which water from the bore is being used, the licensee shall carry out such remedial measures as the Chief Executive may consider necessary to eliminate or prevent such pollution.
- 0102 The real property associated with this bore shall be
L127/129 Plan DY337 & L130 Plan DY458 Parish of Miles, County of Derby
LOT 162 DP865871 & LOT 128 DY317
- 020 A water year shall be from 1st September to 31st August
- 042 After the completed bore is tested to the satisfaction of the Chief Executive, he shall prescribe the nominal allocation.
- 100 Should the real property associated with this bore be sold in part or in whole, the allocation shall be redistributed, reduced or revoked in a manner determined by the Chief Executive.
- 120A The holder of this licence shall pay the prescribed licence fee and other such fees and charges as are determined by the Chief Executive from time to time together with interest thereon in respect of water allocated or taken and water taken in excess of the quantity of water authorised to be taken. Such fees and charges are payable within 30 days after the date of issue thereof by the Chief Executive at the place specified in the notice.
- 130 The volume of water withdrawn in any water year shall not exceed the allocation.

SCHEDULE OF TERMS FOR LICENCE NUMBER

Page 3 of 3
B 86828

EXPIRY DATE

31/01/2004

- 014 Upon completion and equipping of the Waterworks Licence no. B 86828 the licensee shall at his own expense supply and install a water meter on the discharge side of the pump..
- 018 The meter/s shall be installed to the satisfaction of the Chief Executive.
- 020 The water meter shall be maintained at the expense of the licensee..
- 022 The licensee shall ensure that the meter is not removed for any reason without the written approval of the Chief Executive and the licensee shall ensure that no action is taken which results in the meter failing to correctly measure the volume of water withdrawn by means of the licensed work.
- 070 The licensee shall record metered use monthly and forward the records to the District Manager at annually. .
- 007 The licensee shall install in the bore a high pressure air line of a type and in a manner approved by the Chief Executive to monitor the effect of pumping from the bore.

RTI DL RELEASE - DNRM

10 August 1994

AQC (Wilkie Creek) Pty Ltd
GPO Box 2256
BRISBANE Q 4001



Dear Sir

PERFORMANCE - BORE RN 86828

Reference is made to the pumping test carried out on the above bore on 15 June to 19 June 1994. The following comments are made on its likely performance.

I apologise for the delay in the forwarding of this assessment.

At the outset it should be noted that the estimate of design or long term pumping rate has been made after considering the behaviour of the bore during a pumping test of 100 hours.

While a test of this duration is usually sufficient to provide a basis for estimating a suitable pumping rate, it should be realised that the bore will be operating for a very much longer period, during which time factors which will have an adverse effect on the long term pumping rate may become apparent.

LONG TERM PUMPING RATE

Prior to the start of the test the standing water level in the bore was 19.50 metres below ground level.

Allowing for a 20 metre seasonal variation to take into account the expected regional diminution of pressure within the Great Artesian Basin and to offset turbulent head loss effects likely when the bore is pumped at rates greater than the test rate, the table below gives long term pumping rates which should be obtained at various pump suction depths.

Pump Suction Depth (m)	Design Rate (l/s)
200	2.55
250	3.20
300	3.85

GENERAL

Please find enclosed an invoice for \$652.50 covering the supervision and analysis of the pumping test and the provision of this report.

Enquiries To: Mr G Embleton Your Ref: Our Ref: 1 1714

566-572 Ruthven Street, PO Box 3180, Village Fair, Toowoomba Q 4350

Telephone: (076) 319 200

Facsimile: (076) 329 948

WATER RESOURCES

It is pointed out that information given either verbally or in writing by this Department or its Officers is based on observation and analysis of available data by trained personnel and is accurate as far as can be judged, the Department can accept no responsibility for results obtained.

If you are uncertain of anything in this report or if this Department can further assist, please contact Greg Embleton at this Officer.

Yours faithfully

s.49 - Signature

District Manager
WATER RESOURCES
TOOWOOMBA

RTI DL RELEASE - DNRM

BORE NO II WILKIE CK.

SHEET 1.

OWNER ALLIED OLD COALFIELDS CASING I.D. 8" x 6" ID. DATE 15th - 20th - 6-94

COLUMN DEPTH 375' AIR TUBE 375' BORE LIC. _____

INITIAL AIR PRESSURE 311 FT. S.W. LEVEL 64 FT. ORIFICE PLATE 38mm.

TIME	AIRLINE PRESS	TUBE HEIGHT	G.P.H.	DRAW DOWN	VACUUM	RECOVERY		TIME.
						AIRLINE	RESID. D.DOWN	
ZERO	300 FT	665mm	2,000.			20 FT.		ZERO
MINS. 1	262'			49'	NIL	113'	198'	1 MINS
2	243'			65'		116'	195'	2
5	209'	665mm	2,000	102'	NIL	129'	182'	5
10	162'			149'		136'	155'	10
15	126'			185'		175'	136'	15
20	102'	665mm	2,000	209'	NIL	188'	123'	20
30	73'			238'		209'	102'	30
45	54'			257'		211'	100'	45
60	45'	665mm	2,000	266'	NIL	210'	81'	1 HOURS
90	33'			278'		239'	72'	1 1/2
HRS. 2	30'			281'		243'	68'	2
2 1/2	25'	665mm.	2,000.	286'	NIL	252'	59'	3
3 hrs * REDUCE PUMPING RATE								
MINS 1	26'	425mm	1,600 GPH	285'	NIL	257'	54'	4
2	30'			281'		259'	52'	5
5	37'			274'		—	—	6
10	46'	425 mm	1,600 GPH	265'	NIL	264'	47'	7
15	52'			259'		270'	41'	8
20	55'			256'		270'	41'	12
30	58'	425mm	1,600 GPH	253'	NIL	271'	40'	14
45	63'			248'		271'	40'	16
HRS 4	63'			248'		272'	39'	17
4 1/2	63'	425 mm	1,600 GPH	248'	NIL			18 HOURS
5	63'			248'				
6	63'			248'				
7	61'	425mm	1,600 GPH	250'	NIL			
8	60'			251'				
9	60'			251'				
10	60'	425mm	1,600 GPH	251'	NIL			
12	59'			252'				
14	55'			256'				
15	54'	425mm	1,600 GPH	257'	NIL.			
18	51'			260'				

TOTAL DIESEL USED :-

SIGNED:

BORE NO II WILKIE CK.

OWNER Allied Old Coalfields. CASING I.D. 8" x 6" ID DATE 15th 20th 6-94

COLUMN DEPTH 375 FEET. AIR TUBE 375 FEET. BORE LIC. _____

INITIAL AIR PRESSURE 311 FT. S.W. LEVEL 64 FT. ORIFICE PLATE 38mm.

TIME	AIRLINE PRESS	TUBE HEIGHT	G.P.H.	DRAW DOWN	VACUUM	RECOVERY	
						AIRLINE	RESID. D.DOWN
ZERO	300 FT.	425 mm	1,600				
HRS 19	51'			260 FT.			
20	50'			261'			
21	49'	425 mm	1,600	262'			
22	49'			262'			
24	51'			260'			
25	49'	425 mm	1,600	262'			
26	48'			263'			
27	45'			266'			
28	44'	425 mm	1,600	267'			
29	42'			269'			
30	40'			271'			
31	40'	425 mm	1,600	271'			
32	40'			271'			
33	40'			271'			
34	40'	425 mm	1,600	271'			
36	40'			271'			
37	39'			272'			
39	37'	425 mm	1,600	274'			
42	35'			276'			
43	35'			276'			
44	35'	425 mm	1,600	276'			
45	35'			276'			
46	35'			276'			
47	35'	425 mm	1,600	276'			
48	35'			276'			
49	35'			276'			
50	34'	425 mm	1,600	277'			
51	34'			277'			
52	34'			277'			
53	33'	425 mm	1,600	278'			
54	33'			278'			

RTI DL RELEASE / DNRM

TOTAL DIESEL USED : .

SIGNED: _____

Released

BORE NO II WILKIE OK.

OWNER ALLIED OLD COALFIELDS CASING I.D. 8" x 6" ID DATE 15th - 20th - 6 - 94.

COLUMN DEPTH 315 FEET AIR TUBE 375 FEET BORE LIC. _____

INITIAL AIR PRESSURE 311 FEET S.W. LEVEL 64 FEET ORIFICE PLATE 38mm

TIME	AIRLINE PRESS	TUBE HEIGHT	G.P.H.	DRAW DOWN	VACUUM	RECOVERY	
						AIRLINE	RESID. D.DOWN
ZERO	311 ft.	425mm	1,600				
45	31 ft.			280 ft.			
56	30'			281'			
58	30'	425mm	1,600	281'			
63	30'			281'			
66	27'			284'			
67	27'	425mm	1,600	284'			
68	26'			285'			
69	25'			286'			
72	25'	425mm	1,600	286'			
74	24'			287'			
76	24'			287'			
80	24'	425mm	1,600	287'			
85	24'			287'			
91	24'			287'			
92	20'	425mm	1,600	291'			
94	20'			291'			
96	20'			291'			
98	20'			291'			
100	20'	425mm	1,600	291'			

RTI DI RELEASE - DNRM

TOTAL DIESEL USED : .

QUEENSLAND WATER RESOURCES COMMISSION

Drawdown Sheet

Sheet No. 1

MEASURED BORE	Owner	Registered No.
	Address	Site
PUMPED BORE	Owner <u>AQC</u>	Registered No.
	Address	Site
TEST DETAILS	Date Pumping Commenced <u>15/6/44</u> Time <u>12:00</u> ^{noon} am/pm	Test No.
	Date Pumping Ceased <u>20/6/44</u> Time <u>4:00</u> am/pm	

Are the measurements below for the pumped bore? YES/NO S.W.L. 14.50 m below G.L. below Ref. Pt.

WATCH TIME			ELAPSED TIME MINS.	GAUGE KPA	HEIGHT WATER IN TUBE METRES	DRAW-DOWN METRES	WATER LEVEL FROM RP METRES	DISCHARGE		REMARKS etc.
Hr	Min	am/pm						mm	L/sec	
12	00	PM	1			14.93		665	2.5	
			2			20.72				
			5			31.04				
			10			45.41				
			15			56.31				
			20			63.70				
			30			72.54				
			45			78.33				
			60			81.07				
			90			84.73				
			120			85.65				
			150			87.17				
			181			86.87		425	2.0	Reduce Pump Rate
			182			85.65			174	
			185			83.52				
			190			80.77				
			195			78.94				
			200			78.03				
			210			77.11				
			225			75.54				
			240			75.54				
			270			75.54				
			300			75.54				
			360			75.54				
			420			76.20				
			480			76.50				
			540			76.50				

QUEENSLAND WATER RESOURCES COMMISSION

Drawdown Sheet

Sheet No. 2

MEASURED BORE			Owner _____				Registered No. _____				
			Address _____				Site _____				
PUMPED BORE			Owner <u>AQL</u>				Registered No. _____				
			Address _____				Site _____				
TEST DETAILS			Date Pumping Commenced _____ Time _____ am/pm				Test No. _____				
			Date Pumping Ceased _____ Time _____ am/pm								
Are the measurements below for the pumped bore? YES/NO						S.W.L. _____ m below G.L. below Ref. Pt.					
WATCH TIME			ELAPSED TIME MINS.	GAUGE KPA	HEIGHT WATER IN TUBE METRES	DRAW-DOWN METRES	WATER LEVEL FROM RP METRES	DISCHARGE		REMARKS etc.	
Hr	Min	am/pm						mm	L/sec		
			600			76.50		425	2.0		
			720			76.81					
			840			78.03					
			900			78.33					
			1080			79.25					
			1140			79.25					
			1200			79.55					
			1260			79.96					
			1320			79.86					
			1440			79.23					
			1500			79.86					
			1560			80.16					
			1620			81.08					
			1680			81.38					
			1740			81.94					
			1800			82.60					
			1860			82.60					
			1920			82.60					
			1980			82.60					
			2040			82.60					
			2160			82.60					
			2220			82.90					
			2340			83.51					
			2520			84.12					
			2580			84.12					
			2640			84.12					
			2700			84.12					
			2760			84.12					

RTI/DI RELEASED - DNRMA

QUEENSLAND WATER RESOURCES COMMISSION

Drawdown Sheet

Sheet No. 3

MEASURED BORE	Owner _____	Registered No. _____
	Address _____	Site _____
PUMPED BORE	Owner _____	Registered No. _____
	Address _____	Site _____
TEST DETAILS	Date Pumping Commenced _____ Time _____ am/pm	Test No. _____
	Date Pumping Ceased _____ Time _____ am/pm	

Are the measurements below for the pumped bore? YES/NO S.W.L. _____ m below G.L. below Ref. Pt.

WATCH TIME			ELAPSED TIME MINS.	GAUGE KPA	HEIGHT WATER IN TUBE METRES	DRAW-DOWN METRES	WATER LEVEL FROM RP METRES	DISCHARGE		REMARKS etc.
Hr	Min	am pm						mm	L/sec	
			2820			84.12		425	2.2	
			2880			84.12				
			2940			84.12				
			3000			84.43				
			3060			84.43				
			3120			84.43				
			3180			84.73				
			3240			84.73				
			3300			85.24				
			3360			85.65				
			3480			85.65				
			3780			85.65				
			3960			86.56				
			4020			86.56				
			4080			86.87				
			4140			87.17				
			4320			87.17				
			4440			87.48				
			4560			87.48				
			4800			87.48				
			5100			87.48				
			5460			87.48				
			5520			88.70				
			5640			88.70				
			5760			88.70				
			5880			88.70				
			6000			88.70				

RTI/DL RELEASE - DNRM

DRILLING LOG FOR BORE

LICENCE No. B 86828 TEST HOLE No. (if applicable) _____
 NAME OF LICENCEE MACALISTER MINING PTY LTD (NOW A.G.C. (WILKIE CREEK PTY LTD) NO 1.
 ADDRESS PO- G.P.O. BOX 2256 BRISBANE 4001
 CONTRACTOR LEWIS DRILLING DRILLER PETER LEWIS
 TYPE OF DRILLING RIG USED Rotary DRILLERS LICENCE No. 2640

PARTICULARS OF STRATA				DATE COMMENCED	DATE COMPLETED																									
FROM (metres)	TO (metres)	STRATA DESCRIPTION	WATER BEDS* THUS	18-03-94	28-05-94																									
0	28	WHITE + RED CLAY		<table border="1"> <thead> <tr> <th>ROTARY BIT SIZE (mm)</th> <th colspan="4">CASING DETAILS</th> </tr> <tr> <th>LENGTH (metres)</th> <th>SIZE O. D. (mm)</th> <th>THICKNESS (mm)</th> <th colspan="2">LOCATION (metres)</th> </tr> </thead> <tr> <td>250</td> <td>391</td> <td>219</td> <td>6.4</td> <td>FROM 0 TO 391</td> </tr> <tr> <td>200</td> <td>396</td> <td>165.3</td> <td>4.8</td> <td>FROM 360 TO 757.5</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>FROM TO</td> </tr> </table>		ROTARY BIT SIZE (mm)	CASING DETAILS				LENGTH (metres)	SIZE O. D. (mm)	THICKNESS (mm)	LOCATION (metres)		250	391	219	6.4	FROM 0 TO 391	200	396	165.3	4.8	FROM 360 TO 757.5					FROM TO
ROTARY BIT SIZE (mm)	CASING DETAILS																													
LENGTH (metres)	SIZE O. D. (mm)	THICKNESS (mm)	LOCATION (metres)																											
250	391	219	6.4	FROM 0 TO 391																										
200	396	165.3	4.8	FROM 360 TO 757.5																										
				FROM TO																										
28	55	LIGHT GRAY SHALE SANDSTONE		<table border="1"> <thead> <tr> <th colspan="4">METHOD OF SUSPENSION</th> </tr> <tr> <th>CLAMPED</th> <th>CEMENTED</th> <th>SEATED ON BOTTOM</th> <th>SEATED IN SMALL HOLE</th> </tr> </thead> <tr> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="4">IF MORE THAN ONE STRING GIVE FULL DETAILS</td> </tr> </table>		METHOD OF SUSPENSION				CLAMPED	CEMENTED	SEATED ON BOTTOM	SEATED IN SMALL HOLE			<input checked="" type="checkbox"/>	<input type="checkbox"/>	IF MORE THAN ONE STRING GIVE FULL DETAILS												
METHOD OF SUSPENSION																														
CLAMPED	CEMENTED	SEATED ON BOTTOM	SEATED IN SMALL HOLE																											
		<input checked="" type="checkbox"/>	<input type="checkbox"/>																											
IF MORE THAN ONE STRING GIVE FULL DETAILS																														
55	64	G. SHALE 3 MT COAL		<table border="1"> <thead> <tr> <th>SLOTS/PERFORATIONS</th> <th>FROM (metres)</th> <th>TO (metres)</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> </tr> </table>		SLOTS/PERFORATIONS	FROM (metres)	TO (metres)																						
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64	72	G. SHALE COAL BANDS		<table border="1"> <thead> <tr> <th>SCREENS</th> <th>APERTURE</th> <th>TOP OF PACKER</th> <th>BOTTOM OF SCREEN</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		SCREENS	APERTURE	TOP OF PACKER	BOTTOM OF SCREEN																					
SCREENS	APERTURE	TOP OF PACKER	BOTTOM OF SCREEN																											
72	109	BLACK SHALE COAL BANDS 1-2 MET		<table border="1"> <thead> <tr> <th colspan="4">GRAVEL PACK DETAILS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		GRAVEL PACK DETAILS																								
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109	136	BLACK SHALE		<table border="1"> <thead> <tr> <th colspan="4">WATER BEARING BEDS</th> </tr> <tr> <th>DEPTH STRUCK (metres)</th> <th>WATER ROSE TO (metres)</th> <th>SUPPLY (litres per second)</th> <th>QUALITY (potable, brackish, salty)</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		WATER BEARING BEDS				DEPTH STRUCK (metres)	WATER ROSE TO (metres)	SUPPLY (litres per second)	QUALITY (potable, brackish, salty)																	
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DEPTH STRUCK (metres)	WATER ROSE TO (metres)	SUPPLY (litres per second)	QUALITY (potable, brackish, salty)																											
136	155	GRAY SHALE		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
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155	164	SHALE COAL 4 MT		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
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164	173	SHALE COAL 5 MT		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
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173	191	SHALE		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
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191	201	SANDY SHALE		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
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201	214	SHALE 2 MT COAL		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
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214	228	SHALE 2 MT COAL		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
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228	275	GRAY SHALE SANDSTONE		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
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275	293	SHALE 15 MT COAL		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
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293	330	SHALE COAL BANDS		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
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330	339	VERY HARD SANDSTONE		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
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339	384	SANDY SHALE COAL BANDS		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
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384	391	BLACK SANDY SHALE		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
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391	408	GREEN GRAY CLAY		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
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408	454	SAND *		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
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454	463	SAND SHALE		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
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463	472	GREEN GRAY SANDY SHALE		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
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472	472	3 MT WATER SAND *		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
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472	573	GRAY GREEN SANDY SHALE SANDSTONE		<table border="1"> <thead> <tr> <th colspan="4">REMARKS</th> </tr> </thead> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		REMARKS																								
REMARKS																														
TOTAL DEPTH (metres)				757.5																										

PUMPING TEST ON COMPLETED SUB-ARTESIAN BORE

STATE TYPE OF PUMP USED IN TEST				
DEPTH TO STANDING WATER LEVEL FROM GROUND LEVEL (metres)	DEPTH TO PUMP SUCTION OR BOTTOM OF DRILL STEM GROUND LEVEL (metres)	SUPPLY (litres per second)	DURATION OF TEST (hours)	DRAWDOWN LEVEL FROM SURFACE (metres)

ARTESIAN BORE ON COMPLETION

TOTAL FLOW	litres/sec. cubic metres/day	CLOSED DOWN PRESSURE	kilopascals
------------	---------------------------------	----------------------	-------------

SIGNATURE OF DRILLER _____ DATE 7-9-94

SIGNATURE OF LICENCEE _____ DATE _____

NOTE TO LICENCEE

Sketch of property, showing actual location of bore, to be drawn on back of this form

DRILLING LOG FOR BORE

LICENCE No. B 86828 TEST HOLE No. (if applicable) _____
 NAME OF LICENCEE AQU (WILKIE CREEK) PL NO 1
 ADDRESS _____
 CONTRACTOR _____ DRILLER _____
 TYPE OF DRILLING RIG USED _____ DRILLERS LICENCE No. _____

PARTICULARS OF STRATA				DATE COMMENCED	DATE COMPLETED				
FROM (metres)	TO (metres)	STRATA DESCRIPTION	WATER BEDS* THUS	CASING DETAILS					
				ROTARY BIT SIZE (mm)	LENGTH (metres)	SIZE O. D. (mm)	THICKNESS (mm)	LOCATION (metres)	
573	582	DARK SANDY SHALE QUARTZ PEBBLES	*					FROM	TO
582	591	SAND						FROM	TO
591	610	GREY SHALE BANDS COAL						FROM	TO
610	711	DARK GREY SANDY SHALE GREEN TRACES						FROM	TO
711	720	GREY SHALE QUARTZ PEBBLES	*	METHOD OF SUSPENSION					
720	739	SAND	*	CLAMPED		SEATED ON BOTTOM			
739	748	BROWNISH SAND	*	CEMENTED		SEATED IN SMALL HOLE			
748	757	WHITE SAND	*	IF MORE THAN ONE STRING GIVE FULL DETAILS					
757	759	DARK GREEN HARD RED CLAY	*	SLOTS/PERFORATIONS		FROM (metres)	TO (metres)		
				SCREENS		APERTURE	TOP OF PACKER	BOTTOM OF SCREEN	
				GRAVEL PACK DETAILS					
				WATER BEARING BEDS					
				DEPTH STRUCK (metres)	WATER ROSE TO (metres)	SUPPLY (litres per second)	QUALITY (potable, brackish, salty)		
TOTAL DEPTH (metres)				REMARKS					

RTI/DI RELEASE - DNR/M

PUMPING TEST ON COMPLETED SUB-ARTESIAN BORE

STATE TYPE OF PUMP USED IN TEST _____

DEPTH TO STANDING WATER LEVEL FROM GROUND LEVEL (metres)	DEPTH TO PUMP SUCTION OR BOTTOM OF DRILL STEM GROUND LEVEL (metres)	SUPPLY (litres per second)	DURATION OF TEST (hours)	DRAWDOWN LEVEL FROM SURFACE (metres)

ARTESIAN BORE ON COMPLETION

TOTAL FLOW	litres/sec.	CLOSED DOWN PRESSURE	kilopascals
	cubic metres/day		

SIGNATURE OF DRILLER _____ DATE 17-9-94
 SIGNATURE OF LICENCEE _____ DATE _____



AQC (WILKIE CREEK) PTY LTD
LICENCE NO: B 86828

AIR PUMP TEST RESULTS

STANDING WATER LEVEL 30 METRES
28TH MAY, 1994.

TIME	DEPTH	MM	TIME	DEPTH	MM
8.00	212	100	10.00	156	82
8.05	212	98	10.05	156	82
8.10	212	96	10.15	158	83
8.15	212	95	10.30	158	83
8.25	212	95	10.40	130	75
8.45	212	95	10.50	130	75
8.50	212	95	11.00	130	76
9.00	184	95	11.10	130	75
9.05	184	90	11.25	103	65
9.10	184	92	11.30	103	65
9.15	184	89	11.40	103	65
9.20	184	90	11.50	103	65
9.30	184	88	12.00	103	65
9.40	184	88			

RTI DL RELEASE - DNRM

EXPIRY NOTICE - WATERWORKS LICENCE

To the Licensee/s

You are advised that your licence expires on the date shown hereunder. If application for renewal is not received by that date the licence will lapse and an application for new licence for the works may be required. If renewal or cancellation is required please complete the details below and forward to the above address.

Please indicate any change of ownership or address

AQC (WILKIE CREEK) PTY LTD
 GPO BOX 2256
 BRISBANE Q 4001

Licence Number B 86828 Expiry Date 30/06/1994 File Number T 1714
 Description of Works

Sub-Artesian Bore

Facility Name Wilkie Creek No 1
 Licensed Depth 767.05, 759 metres
 Year Drilled PROPOSED EX 5/94

PLEASE RETURN PROMPTLY

LOCATION OF WORKS Description L127 ~~OR L128~~ ON PLAN DY317 ~~OR L130 ON PLAN DY458~~
 Parish MILES County DERBY

TO SUPPLY L127, L128 Plan DY317 & L130 Plan DY458,
 Parish of Miles, County of Derby.
 PURPOSE OF WORKS Industrial

APPLICATION FOR RENEWAL/REQUEST FOR CANCELLATION*

Is renewal of licence required? YES NO
 (If NO, give reason)
 * Cancellation:- On surrender of a Licence the Chief Executive may require the licensee to remove all works constructed or used under the authority of the Licence.
 Are works installed at present? YES NO
 (If NO, give reason)

ALTERATION TO DESCRIPTION AND/OR LOCATION OF WORKS:

Please advise of any changes to details listed above. BORE TERMINATED IN BASEMENT AT 759m.

Crops to be irrigated in any one growing season.

CROPS	AREA (ha)	METHOD

Signature.....

s.49 - Signature

Date 27 June 1994

For Office Use Only

RENEW TO

31/01/2004

REG. YES / NO

MET. YES / NO

ha.

ML.

TERMS

SIEXAF

AMENDED

s.49 - Signature

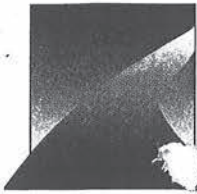
APPROVED

yk

RENEWED

WL008 1/93

24	SIEXAF 5.014	2	the discharge side of the pump.
25	SIEXAF 5.018		
26	SIEXAF 5.020	1	licensed.
27	SIEXAF 5.022		
28	SIEXAF 5.070	1	monthly
29	SIEXAF 5.070	2	annually.
30	SIEXAF 6.007		
31	<u>4.042</u>		



AOC (Wilkie Creek) Pty Ltd

ACN 010 683 454

T 1714

Level 28 Comalco Place, 12 Creek Street, Brisbane, Australia 4000
GPO Box 2256, Brisbane, Queensland, Australia 4001

Telephone: (07) 229 7277
Facsimile: (07) 221 7952
Telex: AA43975 "AQCOAL"

32/94
PAR:nu

27 June 1994



Dept of Primary Industries
Water Resources
PO BOX 3180
Village Fair
TOOWOOMBA QLD 4350

ATTN: District Manager

Dear Sir

RE: RENEWAL - BORE LICENCE No. B 86828

We refer to your letter of 3 June 1994 (Ref: T1714) advising that an Application for Renewal of the above licence is required within 30 days of that date.

Please find the completed Application Form as requested. Waterbore "Wilkie Creek No.1" was completed during May 1994 by Lewis Drilling of Roma and they have advised us that they have already submitted technical details to you. A sketch plan, a written descriptive log and a geophysical log are enclosed herewith for your further information.

Yours faithfully

s.49 - Signature

P A Rayment
CHIEF GEOLOGIST



AQC (WILKIE CREEK) PTY LTD

WATERBORE WILKIE CREEK No 1

Depth to Base	Thickness	Lithology	Description and Comments	Additional Remarks
18.00	18.00	MUDSTONE	VERY FINE SANDY, CLAYEY, WHITE TO LIGHT GREY, ORANGE AND PURPLE STAINING	
27.00	9.00	MUDSTONE	AS ABOVE, AND MEDIUM BROWN CLAYEY MATERIAL	
126.00	99.00	MUDSTONE/COAL	MS: GREY - MEDIUM GREY, CO: ABUNDANT SEAMS, DULL AND BRIGHT	
180.00	54.00	MUDSTONE	AS ABOVE, RARE COAL	
189.00	9.00	SANDSTONE	FINE GRAINED, GREY - MEDIUM GREY, SILTY, QUARTZOSE, RARE COAL	
225.00	36.00	SILTSTONE	GREY TO MEDIUM GREY, VERY FINE SANDY, RARE COAL	
234.00	9.00	COAL INTERVAL	BRIGHT & DULL, SILTSTONE/MUDSTONE PARTINGS	
252.00	18.00	SILTSTONE	GREY, SHALEY, MINOR COAL AT BASE	
255.00	3.00	COAL	BRIGHT AND DULL, HARD	
285.00	30.00	SILTSTONE	SANDY, LIGHT GREY - GREY	
297.00	12.00	COAL INTERVAL	HARD, BRIGHT AND DULL, MINOR SILTY PARTINGS	
306.00	9.00	SILTSTONE	SHALEY WITH MINOR COAL LAMINAE, GREY, RARE COAL	
315.00	9.00	COAL	BRIGHT AND DULL, HARD	
387.00	72.00	SILTST/SANDST	GREY - GREY - BROWN, SANDY PHASES, RARE COAL (STRINGERS?) SOME VERY FINE WELL CEMENTED SANDSTONE	BASE WALLOON COAL MEASURES AT 387M
423.00	36.00	SILTST/SANDST	LIGHT GREEN - GREY TO MEDIUM GREY - BROWN SILTSTONE AND LIGHT GREY, VERY FINE, WELL CEMENTED SILTY SANDSTONE	
435.00	12.00	SANDSTONE	FINE, SOME VERY FINE, LIGHT GREEN - GREY, WITH MINOR INTERBEDDED HARD MEDIUM GREY SILTSTONE	
450.00	15.00	SILTST/SANDST	AS ABOVE	
477.00	27.00	SANDSTONE	FINE, MINOR MEDIUM, LIGHT GREY, QUARTZOSE, RARE COAL AND SILTSTONE	
486.00	9.00	SILTST/SANDST	AS ABOVE	
522.00	36.00	SILTST/SANDST	70% SILTSTONE, SANDSTONE: VERY FINE, WELL CEMENTED, LIGHT GREY, RARE COAL	
540.00	18.00	SILTSTONE	MEDIUM GREY TO DARK GREY, MINOR VERY FINE SANDSTONE	
558.00	18.00	SILTST/SANDST	SL: MEDIUM GREY - BROWN, SS: VERY FINE - FINE, LIGHT GREY, WELL CEMENTED	
576.00	18.00	SANDSTONE	FINE, LIGHT GREY, QUARTZOSE, MINOR SILTSTONE	
600.00	24.00	SILTST/SANDST	SL: MEDIUM GREY - BROWN, 60 70%, SS: LIGHT GREY, VERY FINE	BASE HUTTON SANDSTONE FORMATION AT 621M
621.00	21.00	SANDSTONE	FINE SOME MEDIUM, LIGHT GREY, QUARTZOSE, MINOR SILTSTONE	
684.00	63.00	SILTST/SANDST	MEDIUM GREY, 70% SS: LIGHT GREY - GREEN, VERY FINE	
729.00	45.00	SANDSTONE	LIGHT GREY, FINE, SOME MEDIUM AT TOP, RARE SILTSTONE	BASE EVERGREEN FORMATION AT 740M
740.00	11.00	SILTSTONE	MEDIUM TO DARK GREY AND LIGHT TO MEDIUM GREEN - GREY	
749.00	9.00	BASEMENT?	GREEN, EMERALD GREEN, LIGHT GREEN, CRYSTALLINE, ACID VOLCANIC, SOME RED - BROWN GARNET (?)	NO PRECIPICE SANDSTONE?
749.00	TD			

*NOTE : SAMPLES AT 9M INTERVALS CASSED TO 391M

17 February 1994



AQC (Wilkie Creek) Pty Ltd
GPO Box 2256
BRISBANE Q 4001

Dear Sir/Madam,

WATERWORKS LICENCE NO. B 86828
EXPIRY DATE: 30/06/1994

Attached is the above Waterworks Licence for a bore issued under the Water Resources Act 1989-90.

Your attention is drawn to the explanatory notes and to the conditions endorsed on the Licence.

Please note that this licence is current to 30/06/1994 for completion of the work. Failure to do so will result in cancellation of the licence.

Should the works not be completed during the currency of this Licence, you will be asked to show cause why the Licence should not be cancelled.

As your Licence is an important document, care should be taken to preserve it.

Yours faithfully,

s.49 - Signature

for DISTRICT MANAGER
WATER RESOURCES, TOOWOOMBA

Enquiries To: Mr. Ross Carruthers Your Ref: Our Ref: T 1714
566-572 Ruthven Street, PO Box 3180, Village Fair, Toowoomba Q 4350
Telephone: (076) 319 200 Facsimile: (076) 329 948

WATER RESOURCES

WATERWORKS LICENCE

Name and Address of Licensee

AOC (WILKIE CREEK) PTY LTD
GPO BOX 2256
BRISBANE Q 4001

Licence Number E 86328 Expiry Date 30/06/1994 File Number T 1714

Description of Works

SUB-ARTESIAN BORE

Licensed Depth 900.0 metres
Year Drilled PROPOSED

Location of Works

Description ~~L127 OR L128 ON PLAN DY317 OR L130 ON PLAN DY458~~
Parish MILES
County DERBY

To Supply

L127, L128 Plan DY317 & L130 Plan DY458.
Parish of Miles. County of Derby.

Purpose of Works

Industrial

Date of Original Issue 19/06/1990

It is the licensee's responsibility to apply for renewal of this Licence before it expires, irrespective of the Chief Executive, Primary Industries Corporation sending an expiry notice.

This Licence is issued under the Water Resources Act 1989 and is subject to the terms endorsed hereon or attached hereto.

Issued at.....TOOWOOMBA.....

this.....SEVENTEENTH..... day of.....FEBRUARY.....19⁹⁴.....

s.49 - Signature

For and on behalf of Chief Executive, Primary Industries Corporation

SCHEDULE OF TERMS FOR LICENCE NUMBER

Page 2 of 4
B 86828

EXPIRY DATE

30/06/1994

- .001A The drilling of any facility under the terms of this licence shall only be carried out by a driller who is licensed to construct the type of works described hereon.
- .010A The licensee shall supply a copy of this licence to the driller.
- .011 The licensee shall advise the District Manager at Toowoomba District Office of the name of the driller engaged to perform the work, prior to commencement of drilling or repairs.
- .020A The licensee shall, with the assistance of the driller and within 14 days of the completion of the bore, complete and return Departmental drilling log forms containing details of every production bore and every test hole and he shall provide a sketch plan showing the location of each hole in relation to each other and to real property boundaries.
- .030A The licensee shall forward water samples for chemical analysis to the Chief Executive as directed by him.
- .050A The licensee shall install the work for which this licence is granted within two (2) years from the date of original issue of the licence.
- .0533 The bore shall be lined with the following strings of casing or tubing unless otherwise approved by the Chief Executive:
200 millimetre from 0.0 metres to 250.0 metres.
150 millimetre from 250.0 metres to 600.0 metres.
127 millimetre from 600.0 metres to 900.0 metres.
- .057 The diameter of the bore hole shall be a minimum of 40 mm larger than the outside diameter of the outer casing to allow for at least 20mm thickness of cement grout.
- .0591 Cement grout shall be placed outside the following casing:
200 millimetre from 0.0 metres to 250.0 metres.
- .060 All cementing shall be carried out in the presence of and to the satisfaction of the authorised officer who shall determine when any subsequent drilling continues.
- .061 The licensee shall give the District Manager at Toowoomba District Office at least seven (7) days notice of his intention to start cementing.
- .010A The Chief Executive or any person authorised by him shall have full and free access to the bore at all reasonable times for the purpose of carrying out any inspection or test of the bore and its fittings or of reading or repairing any water meter installed.
- .020A The licensee shall carry out any work or make any alteration deemed necessary by the Chief Executive for the protection or proper maintenance of the bore.
- .030A The licensee or his personal representative or his successor in interest shall notify the Chief Executive immediately of any change or divestment of interest in the land whereon the bore is constructed or proposed to be constructed.

SCHEDULE OF TERMS FOR LICENCE NUMBER

EXPIRY DATE 30/06/1994

- 050 If the Chief Executive considers that pollution of the aquifer is occurring or may occur as a result of the manner in which water from the bore is being used, the licensee shall carry out such remedial measures as the Chief Executive may consider necessary to eliminate or prevent such pollution.
- 081 The licensee shall measure the Standing Water Level in the following bore/s at a frequency of once a month and submit the records to the Chief Executive as directed:
B86828
- 0102 The real property associated with this bore shall be L127, L128 Plan DY317 & L130 Plan DY458, Parish of Miles, County of Derby.
- 042 After the completed bore is tested to the satisfaction of the Chief Executive, he shall prescribe the nominal allocation.
- 100 Should the real property associated with this bore be sold in part or in whole, the allocation shall be redistributed, reduced or revoked in a manner determined by the Chief Executive.
- 120A The holder of this licence shall pay the prescribed licence fee and other such fees and charges as are determined by the Chief Executive from time to time together with interest thereon in respect of water allocated or taken and water taken in excess of the quantity of water authorised to be taken. Such fees and charges are payable within 30 days after the date of issue thereof by the Chief Executive at the place specified in the notice.
- 130 The volume of water withdrawn in any water year shall not exceed the allocation.
- 010 A water meter/s approved by the Chief Executive shall be installed where necessary to record the total volume of groundwater withdrawn from B86828 .
- 015 The water meter shall be supplied and installed at the expense of the licensee.
- 018 The meter/s shall be installed to the satisfaction of the Chief Executive.
- 020 The water meter shall be maintained at the expense of the licensee.
- 022 The licensee shall ensure that the meter is not removed for any reason without the written approval of the Chief Executive and the licensee shall ensure that no action is taken which results in the meter failing to correctly measure the volume of water withdrawn by means of the licensed work.
- 060 No water shall be used from the bore until the water meter is installed.
- 070 The licensee shall record metered use at monthly intervals and forward the records to the District Manager at at quarterly intervals .

SCHEDULE OF TERMS FOR LICENCE NUMBER

Page 4 of 4
B 86828

EXPIRY DATE

30/06/1994

.007 The licensee shall install in the bore a high pressure air line of a type and in a manner approved by the Chief Executive to monitor the effect of pumping from the bore.

RTI DL RELEASE - DNRM

BORE LICENSE



Water Resources Commission

REPORT ON NEW APPLICATION
 RENEWAL / TRANSFER (List required amendments in squares provided)

Name and Address of Licensee

AQC (Wilkie Creek) Pty Ltd
~~Atked Old Coalfields Pty Ltd~~
GPO Box 2256
BRISBANE Q 4001

BORE LICENSE NUMBER: B 86828

BORE NAME (if applicable):

DATE OF ORIGINAL ISSUE: 19/6/1990

DESCRIPTION OF WORKS

Sub-Artesian Bore

LOCATION OF WORKS

PORTION/RP No:

PROPERTY NAME:

PARISH: Miles

COUNTY: Derby

LAT:

LONG:

LICENSED USE:

Industrial

THIS LICENSE EXPIRES ON: 30/6/94

FILE NUMBERS

D.O: T1714
R.O:
H.O:

EXISTING / PROPOSED	
DEPTH	METRES
CASING	mm SURFACE TO
.....	METRES

L127 OR L128 on Plan DY317 OR L130 on Plan DY458

RTI DI RELEASE - DNRM

RENEW TO 30/6/94
WARNING OF CANCELLATION REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>

LICENSE CONDITIONS AS ATTACHED.

ACTION SEQUENCE	INITIALS	DATE
Prepared By:	s.49 - Signature	2/2/94
Checked By:		
Recommended:		

	INITIALS	DATE
Approved:		
Computer Input:	s.49 - Signature	3/2/94
License Issued:		

If further action required before application for renewal can be processed, list action required / taken

20 December 1993



Macalister Mining Pty Ltd
PO Box 470
SPRING HILL Q 4004

Dear Sir/Madam,

WATERWORKS LICENCE NO. B 86828
EXPIRY DATE: 30/06/1994

Attached is the above Waterworks Licence for a bore issued under the Water Resources Act 1989-90.

Your attention is drawn to the explanatory notes and to the conditions endorsed on the Licence.

The Licence has been issued for a further period of twelve months and will be subject to renewal after that period if the bore has been completed and drilling logs have been submitted.

Should the works not be completed during the currency of this Licence, you will be asked to show cause why the Licence should not be cancelled.

As your Licence is an important document, care should be taken to preserve it.

Yours faithfully,

for DISTRICT MANAGER
WATER RESOURCES, TOOWOOMBA

Enquiries To: Mr. Ross Carruthers Your Ref: Our Ref: T 1714
566-572 Ruthven Street, PO Box 3180, Village Fair, Toowoomba Q 4350
Telephone: (076) 319 200 Facsimile: (076) 329 948

WATER RESOURCES

WATERWORKS LICENCE

Name and Address of Licensee

MACALISTER MINING PTY LTD
PO BOX 470
SPRING HILL Q 4004

Licence Number B 86228 Expiry Date 30/06/1994 File Number T 1714

Description of Works

SUB-ARTESIAN BORE

Licensed Depth 900.0 metres
Year Drilled PROPOSED

Location of Works

Description *LOT DY 317*
~~127, 128 OR 130~~
Parish MILES
County DERBY

To Supply

~~P127, P128, P129 and P130~~ Parish of Miles, County of Derby.
*LOTS 127 & 128 DY317 / LOT 162 RP865871 /
LOT 130 DY 458*

Purpose of Works

Industrial

Date of Original Issue 19/05/1990

It is the licensee's responsibility to apply for renewal of this Licence before it expires, irrespective of the Commissioner sending an expiry notice.

This Licence is issued under the Water Resources Act 1989 -1990 and is subject to the terms endorsed hereon or attached hereto.

Issued at TOOWOOMBA this SEVENTH day of
JANUARY 1994

WL007 for COMMISSIONER OF WATER RESOURCES

SCHEDULE OF TERMS FOR LICENCE NUMBER B 86828

EXPIRY DATE 30/06/1994

- .001A The drilling of any facility under the terms of this licence shall only be carried out by a driller who is licensed to construct the type of works described hereon.
- .010A The licensee shall supply a copy of this licence to the driller.
- .011 The licensee shall advise the Commissioner at Toowoomba District Office of the name of the driller engaged to perform the work, prior to commencement of drilling or repairs.
- .020A The licensee shall, with the assistance of the driller and within 14 days of the completion of the bore, complete and return Commission drilling log forms containing details of every production bore and every test hole and he shall provide a sketch plan showing the location of each hole in relation to each other and to real property boundaries.
- .030A The licensee shall forward water samples for chemical analysis to the Commissioner as directed by him.
- .050A The licensee shall install the work on which this licence is granted within two (2) years from the date of original issue of the licence.
- .0533 The bore shall be lined with the following strings of casing or tubing unless otherwise approved by the Commissioner:
 200 millimetre from 0.0 metres to 250.0 metres.
 150 millimetre from 250.0 metres to 600.0 metres.
 127 millimetre from 600.0 metres to 900.0 metres.
- .057 The diameter of the bore hole shall be a minimum of 40 mm larger than the outside diameter of the outer casing to allow for at least 20mm thickness of cement grout.
- .0591 Cement grout shall be placed outside the following casing:
 200 millimetre from 0.0 metres to 250.0 metres.
- .060 All cementing shall be carried out in the presence of and to the satisfaction of the authorised officer who shall determine when any subsequent drilling continues.
- .061 The licensee shall give the Commissioner at Toowoomba District Office at least seven (7) days notice of his intention to start cementing.
- .010A The Commissioner or any person authorised by him shall have full and free access to the bore at all reasonable times for the purpose of carrying out any inspection or test of the bore and its fittings or of reading or repairing any water meter installed.
- .020A The licensee shall carry out any work or make any alteration deemed necessary by the Commissioner for the protection or proper maintenance of the bore.
- .030A The licensee or his personal representative or his successor in interest

SCHEDULE OF TERMS FOR LICENCE NUMBER B 86828

EXPIRY DATE 30/06/1994

shall notify the Commissioner immediately of any change or divestment of interest in the land whereon the bore is constructed or proposed to be constructed.

- .050 If the Commissioner considers that pollution of the aquifer is occurring or may occur as a result of the manner in which water from the bore is being used, the licensee shall carry out such remedial measures as the Commissioner may consider necessary to eliminate or prevent such pollution.
- .081 The licensee shall measure the Standing Water Level in the following bore/s at a frequency of once a month and submit the records to the Commissioner as directed:
B86828
- .0101 The real property associated with this bore shall be P127, P128, P129 and P130 Parish of Niles, County of Derby.
- .042 After the completed bore is tested to the satisfaction of the Commissioner, he shall prescribe the nominal allocation.
- .100 Should the real property associated with this bore be sold in part or in whole, the allocation shall be redistributed, reduced or revoked in a manner determined by the Commissioner.
- .120A The holder of this licence shall pay the prescribed licence fee and other such fees and charges as are determined by the Commissioner from time to time together with interest thereon in respect of water allocated or taken and water taken in excess of the quantity of water authorised to be taken. Such fees and charges are payable within 30 days after the date of issue thereof by the Commissioner at the place specified in the notice.
- .130 The volume of water withdrawn in any water year shall not exceed the allocation.
- .010 A water meter/s approved by the Commissioner shall be installed where necessary to record the total volume of groundwater withdrawn from B86828.
- .015 The water meter shall be supplied and installed at the expense of the licensee.
- .018 The meter/s shall be installed to the satisfaction of the Commissioner.
- .020 The water meter shall be maintained at the expense of the licensee.
- .022 The licensee shall ensure that the meter is not removed for any reason without the written approval of the Commissioner and the licensee shall ensure that no action is taken which results in the meter failing to correctly measure the volume of water withdrawn by means of the licensed work.

SCHEDULE OF TERMS FOR LICENCE NUMBER B 86828

EXPIRY DATE 30/06/1994

- .060 No water shall be used from the bore until the water meter is installed.
- .070 The licensee shall record metered use at monthly intervals and forward the records to the Commissioner at quarterly intervals
- .007 The licensee shall install in the bore a high pressure air line of a type and in a manner approved by the Commissioner to monitor the effect of pumping from the bore.

RTI DL RELEASE - DNRM
COPY

Released

EXPIRY NOTICE - WATERWORKS LICENCE

To the Licensee
You are advised that your licence expires on the date shown hereunder. If application for renewal is not received by that date the licence will lapse and an application for new licence for the works may be required. If renewal or cancellation is required please complete the details below and forward to the above address.

Please indicate any change of ownership or address

MACALISTER MINING PTY LTD
PO BOX 470
SPRING HILL Q 4004



LICENCE DETAILS

Licence Number B 86828 Expiry Date 30/06/1993 File Number T 1714
Description of Works Sub-Artesian Bore

Facility Name
Licensed Depth 900.0 metres
Year Drilled PROPOSED

LOCATION OF WORKS TO SUPPLY Description LOT 127 DY 317
~~P127, 128 OR 130~~
Parish MILES County DERBY
P127, P128, P129 and P130 Parish of Miles, County of Derby.

LOTS 127 a 128 DY 317 / LOT 162 RP 865876 /

PURPOSE OF WORKS Industrial LOT 130 DY 458

APPLICATION FOR RENEWAL / REQUEST FOR CANCELLATION *

Is renewal of Licence required? YES NO
(If NO, give reason)

* Cancellation :- On surrender of a Licence the Commissioner may require the licensee to remove all works constructed or used under the authority of the Licence.

Are works installed at present? YES NO
(If NO, give reason) Please refer to letter accompanying this application.

For Office Use Only

RENEW TO

30/6/94

REG. YES/NO

MET. YES/NO

ha.

ML.

TERMS

Key Cl.

EXISTING CONDITIONS

s.49 - Signature

APPROVED

15/12/93

RENEWED

ALTERATION TO DESCRIPTION AND/OR LOCATION OF WORKS :

Please advise of any changes to details listed above.

Crops to be irrigated in any one growing season.

CROPS	AREA (ha)	METHOD

Signature s.49 - Signature

Date 21/6/93



Department of
Primary Industries

Water Resources Commission

566-572 Ruthven Street, Commercial Union Centre, PO Box 3180, Town Hall, Toowoomba, Qld 4350
Telephone (076) 319 200, Facsimile (076) 329 948

Enquiries to Mrs K Humberdross
Telephone 319200
Your reference
Our reference T 1714 :WM
Date 8 July, 1992

Macalister Mining Pty Ltd
PO Box 470
SPRING HILL Q 4004

Dear Sir/Madam,

WATERWORKS LICENCE NO. B86828
EXPIRY DATE: 30/06/1993

Attached is the above Waterworks Licence for a bore issued under the Water Resources Act 1989-90.

Your attention is drawn to the explanatory notes and to the conditions endorsed on the Licence.

The Licence has been issued for a further period of twelve months and will be subject to renewal after that period if the bore has been completed and drilling logs have been submitted.

Please note that in accordance with Condition 4.042 the nominal groundwater allocation will be determined upon completion of the work and receipt of drilling logs. It is very important that the supply obtained is indicated on the logs. It is expected that comprehensive pump test data will be submitted.

The maximum groundwater allocation that will be considered is 600 megalitres per annum. In letter to you dated 13 February, 1990 agreement in principle to this maximum allocation was confirmed. Allocations up to this maximum volume will be determined and reviewed on the basis of actual supplies obtained from this and any further bores drilled.

Should the works not be completed during the currency of this Licence, you will be asked to show cause why the Licence should not be cancelled.

As your Licence is an important document, care should be taken to preserve it.

Yours faithfully,

s49 - Signature

DISTRICT MANAGER



WATERWORKS LICENCE

Page 1 of 4

Name and Address of Licensee

MACALISTER MINING PTY LTD
PO BOX 470
SPRING HILL Q 4004

Licence Number B 86828 Expiry Date 30/06/1993 File Number T 1714

Description of Works SUB-ARTESIAN BORE

Licensed Depth 900.0 metres
Year Drilled PROPOSED

Location of Works LOT DY 317
Description ~~127, 128 OR 130~~
Parish MILES
County DERBY

To Supply ~~P127, P128, P129 and P130~~ Parish of Miles, County of Derby.

LOTS 127 & 128 DY 317 / LOT 162 RP 865871

LOT 130 DY 458

Purpose of Works Industrial

Date of Original Issue 19/06/1990

It is the licensee's responsibility to apply for renewal of this Licence before it expires, irrespective of the Commissioner sending an expiry notice.

This Licence is issued under the Water Resources Act 1989 ⁻¹⁹⁹⁰ and is subject to the terms endorsed hereon or attached hereto.

Issued at TOOWOOMBA this EIGHTH day of JULY 1992

s.49 - Signature

for COMMISSIONER OF WATER RESOURCES

WL007

SCHEDULE OF TERMS FOR LICENCE NUMBER B 86828

EXPIRY DATE 30/06/1993

- .001A The drilling of any facility under the terms of this licence shall only be carried out by a driller who is licensed to construct the type of works described hereon.
- .010A The licensee shall supply a copy of this licence to the driller.
- .011 The licensee shall advise the Commissioner at Toowoomba District Office of the name of the driller engaged to perform the work, prior to commencement of drilling or repairs.
- .020A The licensee shall, with the assistance of the driller and within 14 days of the completion of the bore, complete and return Commission drilling log forms containing details of every production bore and every test hole and he shall provide a sketch plan showing the location of each hole in relation to each other and to real property boundaries.
- .030A The licensee shall forward water samples for chemical analysis to the Commissioner as directed by him.
- .050A The licensee shall install the work for which this licence is granted within two (2) years from the date of original issue of the licence.
- .0533 The bore shall be lined with the following strings of casing or tubing unless otherwise approved by the Commissioner:
200 millimetre from 0.0 metres to 250.0 metres.
150 millimetre from 250.0 metres to 600.0 metres.
127 millimetre from 600.0 metres to 900.0 metres.
- .057 The diameter of the bore hole shall be a minimum of 10 mm larger than the outside diameter of the outer casing to allow for at least 20mm thickness of cement grout.
- .0591 Cement grout shall be placed outside the following casing:
200 millimetre from 0.0 metres to 250.0 metres.
- .060 All cementing shall be carried out in the presence of and to the satisfaction of the authorised officer who shall determine when any subsequent drilling continues.
- .061 The licensee shall give the Commissioner at Toowoomba District Office at least seven (7) days notice of his intention to start cementing.
- .010A The Commissioner or any person authorised by him shall have full and free access to the bore at all reasonable times for the purpose of carrying out any inspection or test of the bore and its fittings or of reading or repairing any water meter installed.
- .020A The licensee shall carry out any work or make any alteration deemed necessary by the Commissioner for the protection or proper maintenance of the bore.
- .030A The licensee or his personal representative or his successor in interest

SCHEDULE OF TERMS FOR LICENCE NUMBER B 86828

EXPIRY DATE 30/06/1993

shall notify the Commissioner immediately of any change or divestment of interest in the land whereon the bore is constructed or proposed to be constructed.

- .050 If the Commissioner considers that pollution of the aquifer is occurring or may occur as a result of the manner in which water from the bore is being used, the licensee shall carry out such remedial measures as the Commissioner may consider necessary to eliminate or prevent such pollution.
- .081 The licensee shall measure the Standing Water Level in the following bore/s at a frequency of once a month and submit the records to the Commissioner as directed:
B86828
- .0101 The real property associated with this bore shall be P127, P128, P129 and P130 Parish of Niles, County of Derby.
- .042 After the completed bore is tested to the satisfaction of the Commissioner, he shall prescribe the nominal allocation.
- .100 Should the real property associated with this bore be sold in part or in whole, the allocation shall be redistributed, reduced or revoked in a manner determined by the Commissioner.
- .120A The holder of this licence shall pay the prescribed licence fee and other such fees and charges as are determined by the Commissioner from time to time together with interest thereon in respect of water allocated or taken and water taken in excess of the quantity of water authorised to be taken. Such fees and charges are payable within 30 days after the date of issue thereof by the Commissioner at the place specified in the notice.
- .130 The volume of water withdrawn in any water year shall not exceed the allocation.
- .010 A water meter/s approved by the Commissioner shall be installed where necessary to record the total volume of groundwater withdrawn from B86828.
- 015 The water meter shall be supplied and installed at the expense of the licensee.
- 018 The meter/s shall be installed to the satisfaction of the Commissioner.
- 020 The water meter shall be maintained at the expense of the licensee.
- 022 The licensee shall ensure that the meter is not removed for any reason without the written approval of the Commissioner and the licensee shall ensure that no action is taken which results in the meter failing to correctly measure the volume of water withdrawn by means of the licensed work.

SCHEDULE OF TERMS FOR LICENCE NUMBER B 86828 Page 4 of 4

EXPIRY DATE 30/06/1993

- 0.060 No water shall be used from the bore until the water meter is installed.
- 0.070 The licensee shall record metered use at monthly intervals and forward the records to the Commissioner at quarterly intervals
- 0.007 The licensee shall install in the bore a high pressure air line of a type and in a manner approved by the Commissioner to monitor the effect of pumping from the bore.

RTI DL RELEASE - DNRM
COPY

EXPIRY NOTICE - WATERWORKS LICENCE

To the Licensee/s

You are advised that your licence expires on the date shown hereunder. If application for renewal is not received by that date the licence will lapse and an application for new licence for the works may be required. If renewal or cancellation is required please complete the details below and forward to the above address.

Please indicate any change of ownership or address

MACALISTER MINING PTY LTD
PO BOX 470
SPRING HILL Q 4004

LICENCE DETAILS

Licence Number B 86828 Expiry Date 30/06/1992 File Number T 1714
Description of Works
Sub-Artesian Bore

Facility Name
Licenced Depth 900.0 metres
Year Drilled PROPOSED



LOCATION OF WORKS TO SUPPLY Description ~~P127, 128 OR 130~~ ^{LOT DY 317} Parish MILES County DERBY
TO SUPPLY ~~P127, 128, 129 & 130~~, Parish of Miles, County of Derby.

LOTS 127 & 128 DY 317 / LOT 162 RP 865 871 / LOT 130 DY 488.

PURPOSE OF WORKS Industrial

APPLICATION FOR RENEWAL / REQUEST FOR CANCELLATION *

Is renewal of Licence required? YES NO
(If NO, give reason)

* Cancellation :- On surrender of a Licence the Commissioner may require the licensee to remove all works constructed or used under the authority of the Licence.

Are works installed at present? YES NO *back of adequate funding due to prevailing market conditions.*

ALTERATION TO DESCRIPTION AND/OR LOCATION OF WORKS :

Please advise of any changes to details listed above.

Crops to be irrigated in any one growing season.

CROPS	AREA (ha)	METHOD

For Office Use Only

RENEW TO

/ /

REG. YES / NO

MET. YES / NO

ha.

ML.

TERMS

Key Cl.

APPROVED

RENEWED

Signature

s.49 - Signature

Date

15/6/92

WATERWORKS LICENCE

Name and Address of Licensee

MACALISTER MINING PTY LTD
PO BOX 470
SPRING HILL Q 4004

Licence Number B 86828 Expiry Date 30/06/1992 File Number T 1714

Description of Works SUB-ARTESIAN BORE

Licensed Depth 900.0 metres
Year Drilled PROPOSED

Location of Works *lot dy 317*
Description ~~P127, 128 OR 130~~
Parish MILES
County DERBY

To Supply ~~P127, P128, P129 and P130~~ Parish of Miles, County of Derby.

*lots 127 & 128 dy 317 / lot 162 RP 865871 /
lot 130 dy 458*

Purpose of Works Industrial

Date of Original Issue 19/06/1990

It is the licensee's responsibility to apply for renewal of this Licence before it expires, irrespective of the Commissioner sending an expiry notice.

This Licence is issued under the Water Resources Act 1989 ⁻¹⁹⁹⁰ and is subject to the terms endorsed hereon or attached hereto.

Issued at TOOWOOMBA this ELEVENTH day of
DECEMBER 1991

s49 - Signature

for COMMISSIONER OF WATER RESOURCES

SCHEDULE OF TERMS FOR LICENCE NUMBER B 86828

EXPIRY DATE

30/06/1992

- .001A The drilling of any facility under the terms of this licence shall only be carried out by a driller who is licensed to construct the type of works described hereon.
- .010A The licensee shall supply a copy of this licence to the driller.
- .011 The licensee shall advise the Commissioner at Toowoomba District Office of the name of the driller engaged to perform the work, prior to commencement of drilling or repairs.
- .020A The licensee shall, with the assistance of the driller and within 14 days of the completion of the bore, complete and return Commission drilling log forms containing details of every production bore and every test hole and he shall provide a sketch plan showing the location of each hole in relation to each other and to real property boundaries.
- .030A The licensee shall forward water samples for chemical analysis to the Commissioner as directed by him.
- .050A The licensee shall install the work for which this licence is granted within two (2) years from the date of original issue of the licence.
- .0533 The bore shall be lined with the following strings of casing or tubing unless otherwise approved by the Commissioner:
200 millimetre from 0.0 metres to 250.0 metres.
150 millimetre from 250.0 metres to 600.0 metres.
127 millimetre from 600.0 metres to 900.0 metres.
- .057 The diameter of the bore hole shall be a minimum of 40 mm larger than the outside diameter of the outer casing to allow for at least 20mm thickness of cement grout.
- .0591 Cement grout shall be placed outside the following casing:
200 millimetre from 0.0 metres to 250.0 metres.
- .060 All cementing shall be carried out in the presence of and to the satisfaction of the authorised officer who shall determine when any subsequent drilling continues.
- .061 The licensee shall give the Commissioner at Toowoomba District Office at least seven (7) days notice of his intention to start cementing.
- .010A The Commissioner or any person authorised by him shall have full and free access to the bore at all reasonable times for the purpose of carrying out any inspection or test of the bore and its fittings or of reading or repairing any water meter installed.
- .020A The licensee shall carry out any work or make any alteration deemed necessary by the Commissioner for the protection or proper maintenance of the bore.
- .030A The licensee or his personal representative or his successor in interest

SCHEDULE OF TERMS FOR LICENCE NUMBER B 86828

EXPIRY DATE 30/06/1992

shall notify the Commissioner immediately of any change or divestment of interest in the land whereon the bore is constructed or proposed to be constructed.

- .050 If the Commissioner considers that pollution of the aquifer is occurring or may occur as a result of the manner in which water from the bore is being used, the licensee shall carry out such remedial measures as the Commissioner may consider necessary to eliminate or prevent such pollution.
- .081 The licensee shall measure the Standing Water Level in the following bore/s at a frequency of once a month and submit the records to the Commissioner as directed:
B86828
- .0101 The real property associated with this bore shall be P127, P128, P129 and P130 Parish of Miles, County of Derby.
- .042 After the completed bore is tested to the satisfaction of the Commissioner, he shall prescribe the nominal allocation.
- .100 Should the real property associated with this bore be sold in part or in whole, the allocation shall be redistributed, reduced or revoked in a manner determined by the Commissioner.
- .120A The holder of this licence shall pay the prescribed licence fee and other such fees and charges as are determined by the Commissioner from time to time together with interest thereon in respect of water allocated or taken and water taken in excess of the quantity of water authorised to be taken. Such fees and charges are payable within 30 days after the date of issue thereof by the Commissioner at the place specified in the notice.
- .130 The volume of water withdrawn in any water year shall not exceed the allocation.
- .010 A water meter/s approved by the Commissioner shall be installed where necessary to record the total volume of groundwater withdrawn from B86828.
- .015 The water meter shall be supplied and installed at the expense of the licensee.
- .018 The meter/s shall be installed to the satisfaction of the Commissioner.
- .020 The water meter shall be maintained at the expense of the licensee.
- .022 The licensee shall ensure that the meter is not removed for any reason without the written approval of the Commissioner and the licensee shall ensure that no action is taken which results in the meter failing to correctly measure the volume of water withdrawn by means of the licensed work.

SCHEDULE OF TERMS FOR LICENCE NUMBER B 86828

EXPIRY DATE 30/06/1992

- .060 No water shall be used from the bore until the water meter is installed.
- .070 The licensee shall record metered use at monthly intervals and forward the records to the Commissioner at quarterly intervals
- .007 The licensee shall install in the bore a high pressure air line of a type and in a manner approved by the Commissioner to monitor the effect of pumping from the bore.

RTI DL RELEASE - DNRM
COPY

Released



Department of
Primary Industries

Water Resources Commission

566-572 Ruthven Street, Commercial Union Centre, PO Box 3180, Town Hall, Toowoomba, Qld 4350
Telephone (076) 319 200, Facsimile (076) 329 948

Enquiries to Mr Murphy
Telephone (076) 319 200
Your reference
Our reference T 1714 :AJ
Date 12 December, 1991

A R LETTER

Macalister Mining Pty Ltd
P O Box 470
SPRING HILL Q 4004

Attention: Mr D. Brown-Kenyon

Dear Sir,

WATERWORKS LICENCE NO. B 86828

Attached herewith is the above licence which has been renewed to 30 June, 1992.

As advised in my letter to you dated 30 January, 1991, failure to complete the works by the expiry date of this licence will result in you being asked to show cause why the licence should not be cancelled.

Condition 1.050 of this and the previous licence states that the licensee shall install the work for which the licence is granted within two (2) years from the date of original issue of the licence. The licence was originally issued on 19 June, 1990.

Your attention is drawn to the explanatory notes and schedule of terms under which the licence has been issued and renewed.

Please note that in accordance with Condition 4.042 the nominal groundwater allocation will be determined upon completion of the work and receipt of drilling logs. It is very important that the supply obtained is indicated on the logs. It is expected that comprehensive pump test data will be submitted.

The maximum groundwater allocation that will be considered is 600 megalitres per annum. In letter to you dated 13 February, 1990 agreement in principle to this maximum allocation was confirmed. Allocations up to this maximum volume will be determined and reviewed on the basis of actual supplies obtained from this and any further bores drilled.

If you are dissatisfied with the terms and conditions under which this licence has been issued, you may appeal to the Land Court in accordance with Section 4.26 of the Water Resources Act (1989-90).



Such appeal must be lodged within thirty (30) days after receipt of this licence. At such time and place as set down by the Land Court for hearing of any appeal lodged, it would be necessary for you or your legal representative to appear to tender evidence in support of such appeal. Notice of Appeal forms are enclosed.

As your licence is an important document, care should be taken to preserve it.

Yours faithfully,

s.49 - Signature

DISTRICT ENGINEER.

This is a true copy of a letter sent to Macalister Mining Pty Ltd.

s.49 - Signature

RTI DL RELEASE - DNRM

EXPIRY NOTICE - WATERWORKS LICENCE

To the Licensee/s
You are advised that your licence expires on the date shown hereunder. If application for renewal is not received by that date the licence will lapse and an application for new licence for the works may be required. If renewal or cancellation is required please complete the details below and forward to the above address.

MACALISTER MINING PTY LTD
PO BOX 470
SPRING HILL Q 4004

Please indicate any change of ownership or address

LICENCE DETAILS

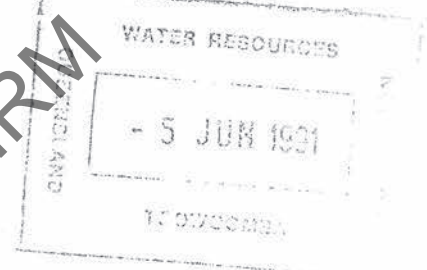
Licence Number B 86828 Expiry Date 30/06/1991 File Number T 1714
Description of Works Sub-Artesian Bore

Facility Name
Licensed Depth 900.0 metres
Year Drilled PROPOSED

LOCATION OF WORKS Description ~~127, 128 OR 130~~ LOT DY 317
Parish MILES County DERBY
TO SUPPLY ~~P127, P128 and P130~~ Parish of Miles, County of Derby.

LOT 127 & 128 DY 317 / LOT 130 DY 458 / LOT 162 RP8658

PURPOSE OF WORKS Industrial



APPLICATION FOR RENEWAL / REQUEST FOR CANCELLATION

Is renewal of Licence required? YES NO
(If NO, give reason)
* Cancellation :- On surrender of a Licence the Commissioner may require the licensee to remove all works constructed or used under the authority of the Licence.
Are works installed at present? YES NO *Currently awaiting funding arrangements to be finalised.*

ALTERATION TO DESCRIPTION AND/OR LOCATION OF WORKS:

Please advise of any changes to details listed above. *NONE.*

Crops to be irrigated in any one growing season.

CROPS	AREA (ha)	METHOD
N/A	-	-

Signature s.49 - Signature

Date *4/6/91*

For Office Use Only

RENEW TO	
<i>30/6/92</i>	
REG.	YES / NO
MET.	YES / NO
ha.	
ML.	

TERMS

Key Cl.

EXISTING CONDITIONS

s.49 - Signature
APPROVED 12/91
RENEWED

Mr A Sloman

319 200

T 1714

30th January 1991

The Manager
Exploration
Macalister Mining Pty Ltd
PO Box 470
SPRING HILL Q 4004

Attention: Mr D Brown-Kenyon

Dear Sir

RE: WATERWORKS LICENCE FOR PROPOSED BORE B 86828

This licence was issued in June 1990, to cover a proposed industrial bore on Portion 129, Parish of Miles, County of Derby and the bore was to supply water to mining operations on Portions 127, 128, 129 and 130, Parish of Miles.

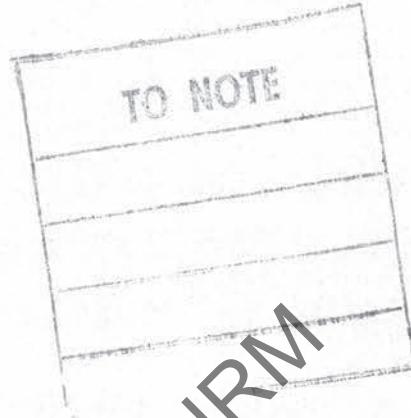
Following discussions between Mr Brown-Kenyon and Mr Greg Murphy of this Commission on 25-01-1991, I understand it is now intended not to site the bore on Portion 129. Accordingly, the licence has been amended and a copy of the amended licence is enclosed.

Your attention is again drawn to the explanatory notes and to the conditions endorsed on the licence.

The licence was originally issued for a period of twelve months and will be subject to renewal after the period either as proposed work if the bore has not been drilled or existing work if the bore has been completed and drilling logs have been submitted.

Should the works not be completed during the currency of this licence, a further renewal period of twelve months would be considered. Failure to complete the works after the second renewal period will result in you being asked to show cause why the licence should not be cancelled.

Please note that in accordance with Condition 4.042 the nominal groundwater allocation will be determined upon completion of the work and receipt of drilling logs. It is very important that the supply obtained is indicated on the logs. It is expected that comprehensive pump test data will be submitted.



RTI DE RELEASE - DNRM

11/4/91

Released


The maximum groundwater allocation that will be considered is 600 megalitres per annum. In letter to you dated 13th February, 1990 agreement in principle to this maximum allocation was confirmed. Allocations up to this maximum volume will be determined and reviewed on the basis of actual supplies obtained from this and any further bores drilled.

If you are dissatisfied with the terms and conditions under which this licence has been issued, you may appeal to the Land Court in accordance with Section 4.26 of the Water Resources Act (1989).

Such appeal must be lodged within thirty (30) days after receipt of this licence. At such time and place as set down by the Land Court for hearing of any appeal lodged, it would be necessary for you or your legal representative to appear to tender evidence in support of such appeal. Notice of Appeal forms are enclosed.

As your licence is an important document, care should be taken to preserve it.

Yours faithfully

 s.49 - Signature 4/2/91
for DISTRICT ENGINEER

RTI DL RELEASE - DNRM

WATERWORKS LICENCE

Name and Address of Licensee

MACALISTER MINING PTY LTD
PO BOX 470
SPRING HILL Q 4004

Licence Number B 86828 Expiry Date 30/06/1991 File Number T 1714

Description of Works

SUB-ARTESIAN BORE

Licensed Depth 900.0 metres
Year Drilled PROPOSED

Location of Works
Description
Parish
County

LOT DY 317
~~P127, 128 OR 130~~
MILES
DERBY

To Supply

~~P127, P128 and P130~~ Parish of Miles, County of Derby.

LOTS 127 & 128 DY 317 / LOT 162 RP 865871 /
LOT 130 DY 458

Purpose of Works

Industrial

Date of Original Issue 19/06/1990

It is the licensee's responsibility to apply for renewal of this Licence before it expires, irrespective of the Commissioner sending an expiry notice.

This Licence is issued under the Water Resources Act 1989 and is subject to the terms endorsed hereon or attached hereto.

Issued at TOOWOOMBA this FIRST day of
FEBRUARY 1991

s.49 - Signature

for COMMISSIONER OF WATER RESOURCES

SCHEDULE OF TERMS FOR LICENCE NUMBER

30/06/1991

EXPIRY DATE

- 1.001A The drilling of any facility under the terms of this licence shall only be carried out by a driller who is licensed to construct the type of works described hereon.
- 1.010A The licensee shall supply a copy of this licence to the driller.
- 1.011 The licensee shall advise the Commissioner at Toowoomba District Office of the name of the driller engaged to perform the work, prior to commencement of drilling or repairs.
- 1.020A The licensee shall, with the assistance of the driller and within 14 days of the completion of the bore, complete and return Commission drilling log forms containing details of every production bore and every test hole and he shall provide a sketch plan showing the location of each hole in relation to each other and to real property boundaries.
- 1.030A The licensee shall forward water samples for chemical analysis to the Commissioner as directed by him.
- 1.050A The licensee shall install the work for which this licence is granted within two (2) years from the date of original issue of the licence.
- 1.0533 The bore shall be lined with the following strings of casing or tubing unless otherwise approved by the Commissioner:
 200 millimetre from 0.0 metres to 250.0 metres.
 150 millimetre from 250.0 metres to 600.0 metres.
 127 millimetre from 600.0 metres to 900.0 metres.
- 1.057 The diameter of the bore hole shall be a minimum of 40 mm larger than the outside diameter of the outer casing to allow for at least 20mm thickness of cement grout.
- 1.0591 Cement grout shall be placed outside the following casing:
 200 millimetre from 0.0 metres to 250.0 metres.
- 1.060 All cementing shall be carried out in the presence of and to the satisfaction of the authorised officer who shall determine when any subsequent drilling continues.
- 1.061 The licensee shall give the Commissioner at Toowoomba District Office at least seven (7) days notice of his intention to start cementing.
- 2.010A The Commissioner or any person authorised by him shall have full and free access to the bore at all reasonable times for the purpose of carrying out any inspection or test of the bore and its fittings or of reading or repairing any water meter installed.
- 2.020A The licensee shall carry out any work or make any alteration deemed necessary by the Commissioner for the protection or proper maintenance of the bore.
- 2.030A The licensee or his personal representative or his successor in interest

SCHEDULE OF TERMS FOR LICENCE NUMBER

30/06/1991

EXPIRY DATE

shall notify the Commissioner immediately of any change or divestment of interest in the land whereon the bore is constructed or proposed to be constructed.

- 2.050 If the Commissioner considers that pollution of the aquifer is occurring or may occur as a result of the manner in which water from the bore is being used, the licensee shall carry out such remedial measures as the Commissioner may consider necessary to eliminate or prevent such pollution.
- 2.081 The licensee shall measure the Standing Water Level in the following bore/s at a frequency of once a month and submit the records to the Commissioner as directed:
B86828
- 4.0101 The real property associated with this bore shall be P127, P128 and P130 Parish of Miles, County of Derby.
- 4.042 After the completed bore is tested to the satisfaction of the Commissioner, he shall prescribe the nominal allocation.
- 4.100 Should the real property associated with this bore be sold in part or in whole, the allocation shall be redistributed, reduced or revoked in a manner determined by the Commissioner.
- 4.120A The holder of this licence shall pay the prescribed licence fee and other such fees and charges as are determined by the Commissioner from time to time together with interest thereon in respect of water allocated or taken and water taken in excess of the quantity of water authorised to be taken. Such fees and charges are payable within 30 days after the date of notification by the Commissioner at the place specified in the notice.
- 4.130 The volume of water withdrawn in any water year shall not exceed the allocation.
- 5.010 A water meter/s approved by the Commissioner shall be installed where necessary to record the total volume of groundwater withdrawn from B86828.
- 5.015 The water meter shall be supplied and installed at the expense of the licensee.
- 5.018 The meter/s shall be installed to the satisfaction of the Commissioner.
- 5.020 The water meter shall be maintained at the expense of the licensee.
- 5.022 The licensee shall ensure that at all times the meter correctly measures the volume of water withdrawn from the bore.
- 5.060 No water shall be used from the bore until the water meter is installed.
- 5.070 The licensee shall record metered use at monthly intervals and

SCHEDULE OF TERMS FOR LICENCE NUMBER

30/06/1991

EXPIRY DATE

forward the records to the Commissioner at quarterly intervals

- 6.007 The licensee shall install in the bore a high pressure air line of a type and in a manner approved by the Commissioner to monitor the effect of pumping from the bore.

RTI DL RELEASE - DNRM
COPY



Water Resources Commission

Your reference:
In reply please quote
our reference: T 1714
When enquiring
please ask for: Mr Osbaldeston

566-572 Ruthven Street,
Commercial Union Centre, Toowoomba.
P.O. Box 3180, Town Hall, Toowoomba, Q. 4350.
Facsimile (076) 32 9948
Telephone (076) 32 1944 31 9200

June 20, 1990

A. R. LETTER

Macalister Mining Pty Ltd
Attention: Manager - Exploration
PO Box 470
SPRING HILL Q 4004

Dear Sir/Madam,

WATERWORKS LICENCE NO. B 86828
EXPIRY DATE: 30.06.1991

Attached is the above Waterworks Licence for a bore issued under the Water Resources Act (1989) together with a copy of the Licence for the Drilling Contractor and a supply of drilling log forms.

Your attention is drawn to the explanatory notes and to the conditions endorsed on the Licence.

The Licence has been issued for a period of twelve months and will be subject to renewal after that period either as proposed work if the bore has not been drilled or existing work if the bore has been completed and drilling logs have been submitted.

Should the works not be completed during the currency of this Licence, a further renewal period of twelve months would be considered. Failure to complete the works after the second renewal period will result in you being asked to show cause why the Licence should not be cancelled.

Please note that in accordance with Condition 4.042 the nominal groundwater allocation will be determined upon completion of the work and receipt of drilling logs. It is very important that the supply obtained is indicated on the logs. It is expected that comprehensive pump test data will be submitted.

The maximum groundwater allocation that will be considered is 600 megalitres per annum. In letter to you dated 13th February, 1990 agreement in principle to this maximum allocation was confirmed. Allocations up to this maximum volume will be determined and reviewed on the basis of actual supplies obtained from this and any further bores drilled.

If you are dissatisfied with the terms and conditions under which this Licence has been issued, you may appeal to the Land Court in accordance with Section 4.26 of the Water Resources Act (1989).

Such appeal must be lodged within thirty (30) days after receipt of this Licence. At such time and place as set down by the Land Court for hearing of any appeal lodged, it would be necessary for you or your legal representative to appear to tender evidence in support of such appeal. Notice of Appeal forms are enclosed.

As your Licence is an important document, care should be taken to preserve it.

Yours faithfully,

for DISTRICT ENGINEER.

This is a true copy of a letter forwarded to Macalister Mining.

s.49 - Signature

PR.B

RTI DL RELEASE - DNRM



Department of Primary Industries

WATERWORKS LICENCE

Water Resources Commission
PO BOX 3180
TOWN HALL TOOWOOMBA 4350

Name and Address of Licensee

MACALISTER MINING PTY LTD
PO BOX 470
SPRING HILL Q 4004

Licence Number B 86828 Expiry Date 30/06/1991 File Number T 1714

Description of Works

SUB-ARTESIAN BORE

Licensed Depth 900.0 metres
Year Drilled PROPOSED

LOT 127 DY 317
P127, 128 or 130

Location of Works
Description
Parish
County

~~P129~~
MILES
DERBY

~~Road Reserve separating lots 127 & 128~~

s.49 - Signature

23-1-91

To Supply

P127, P128, ~~P129~~ and P130 Parish of Miles, County of Derby.

LOTS ~~P127~~ = 128 DY 317 / LOT 130 DY 458 /

Purpose of Works

Industrial

LOT 162 RP865871

Date of Original Issue 19/06/1990

It is the licensee's responsibility to apply for renewal of this Licence before it expires, irrespective of the Commissioner sending an expiry notice.

This Licence is issued under the Water Resources Act 1989 and is subject to the terms endorsed hereon or attached hereto.

Issued at TOOWOOMBA this NINETEENTH day of JUNE 1990

s.49 - Signature

SCHEDULE OF TERMS FOR LICENCE NUMBER B 86828

EXPIRY DATE 30/06/1991

- 1.010A The licensee shall supply a copy of this licence to the driller.
- 1.011 The licensee shall advise the Commissioner at Toowoomba District Office of the name of the driller engaged to perform the work, prior to commencement of drilling or repairs.
- 1.020A The licensee shall, with the assistance of the driller and within 14 days of the completion of the bore, complete and return Commission drilling log forms containing details of every production bore and every test hole and he shall provide a sketch plan showing the location of each hole in relation to each other and to real property boundaries.
- 1.030A The licensee shall forward water samples for chemical analysis to the Commissioner as directed by him.
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200 millimetre from 0.0 metres to 150.0 metres.
150 millimetre from 150.0 metres to 300.0 metres.
127 millimetre from 300.0 metres to 900.0 metres.
- 1.057 The diameter of the bore hole shall be a minimum of 40 mm larger than the outside diameter of the outer casing to allow for at least 20mm thickness of cement grout.
- 1.0591 Cement grout shall be placed outside the following casing:
200 millimetre from 0.0 metres to 250.0 metres.
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- 1.061 The licensee shall give the Commissioner at Toowoomba District Office at least seven (7) days notice of his intention to start cementing.
- 2.010A The Commissioner or any person authorised by him shall have full and free access to the bore at all reasonable times for the purpose of carrying out any inspection or test of the bore and its fittings or of reading or repairing any water meter installed.
- 2.020A The licensee shall carry out any work or make any alteration deemed necessary by the Commissioner for the protection or proper maintenance of the bore.
- 2.030A The licensee or his personal representative or his successor in interest shall notify the Commissioner immediately of any change or divestment of interest in the land whereon the bore is constructed or proposed to be constructed.

SCHEDULE OF TERMS FOR LICENCE NUMBER

Page 3 of 3
B 86828

EXPIRY DATE 30/06/1991

- 2.050 If the Commissioner considers that pollution of the aquifer is occurring or may occur as a result of the manner in which water from the bore is being used, the licensee shall carry out such remedial measures as the Commissioner may consider necessary to eliminate or prevent such pollution.
- 2.081 The licensee shall measure the Standing Water Level in the following bore/s at a frequency of once a month and submit the records to the Commissioner as directed:
B86828
- 4.0101 The real property associated with this bore shall be P127, P128, ~~P129~~ and P130 Parish of Miles, County of Derby.
delete.
- 4.042 After the completed bore is tested to the satisfaction of the Commissioner, he shall prescribe the nominal allocation.
- 4.100 Should the real property associated with this bore be sold in part or in whole, the allocation shall be redistributed, reduced or revoked in a manner determined by the Commissioner.
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- 5.015 The water meter shall be supplied and installed at the expense of the licensee.
- 5.018 The meter/s shall be installed to the satisfaction of the Commissioner.
- 5.020 The water meter shall be maintained at the expense of the licensee.
- 5.022 The licensee shall ensure that at all times the meter correctly measures the volume of water withdrawn from the bore.
- 5.060 No water shall be used from the bore until the water meter is installed.
- 5.070 The licensee shall record metered use at monthly intervals and forward the records to the Commissioner at quarterly intervals
- 6.007 The licensee shall install in the bore a high pressure air line of a type and in a manner approved by the Commissioner to monitor the effect of pumping from the bore.

Released

REPORT ON APPLICATION FOR
WATERWORKS LICENCE (BORE)

APPLICATION NO. *B 86828*

SPECIAL CONDITIONS:

*STANDARD STOCK INTENSIVE PROPOSED WITH THE
FOLLOWING DELETED 1.070, 2.070, 4.031, 5.013*

THE FOLLOWING SPECIAL CONDITIONS ARE TO BE INSERTED:-

1.011 (27) TOOWOOMBA DISTRICT OFFICE

*1.0533 200mm 0m to 250m
150mm 250m to 600m
127mm 600m to 900m*

1.057

1.0591 200mm 0m to 250m

1.060A

1.061 (29) TOOWOOMBA DISTRICT OFFICE (16) 7

2.081 (45) ONCE A MONTH ~~##~~ B86828

*4.0101 PORTIONS 127, 128, 129 & 130 Parish of Miles, County
of Derby*

ADDITIONAL COMMENTS:

4.042

5.010 (73) B 86828

5.015 (73) licence

5.018

5.020 (14) licence

5.022

5.060

*5.070 (31) at monthly intervals (32) at quarterly
intervals*

6.007

RTI/DI RELEASE - DNRM

s.49 - Signature

*Document
Please
show me
licence
info re
point.*

(c/1)

DETAILS OF APPLICATION, OBJECTORS AND REFERRALS

DRAFT LICENCE DOCUMENT AND SPECIAL CONDITIONS
(TO BE COMPLETED IN CONJUNCTION WITH INSPECTION REPORT)

Applic. No: *B86828* Date of Applic.: Date Received:

MACALASTER MINING PTY LTD.
P.O. BOX 470
SPRING HILL Q 4004

WORKS	Type of Work	Depth: metres (Nominal yes/no)
	<input type="checkbox"/> Existing Sub-Artesian Bore <input checked="" type="checkbox"/> Proposed Sub-Artesian Bore <input type="checkbox"/> Existing Artesian Bore <input type="checkbox"/> Proposed Artesian Bore <input type="checkbox"/> Deepening <input type="checkbox"/> Re-Lining <input type="checkbox"/> Increase in Allocation	Casing: Dia. (mm) Top (m) Bottom (m) (Nominal <i>200</i> ... <i>0</i> ... <i>250</i> ... yes/no) <i>150</i> ... <i>250</i> ... <i>600</i> ... <i>125</i> ... <i>600</i> ... <i>900</i> ... Cementing: Dia. (mm) Top (m) Bottom (m) (Nominal <i>200</i> ... <i>0</i> ... <i>250</i> ... yes/no)

Name and Address of Licensee

Licence Number: *B86828* Expiry Date: *30-6-92* File Number: *T 1714*

SUB BASIN	SUB AREA	AQUIFER SYSTEM
<i>4223</i>	<i>730</i>	<i>G.A.B.</i>

Description of Works: *SUB-ARTESIAN BORE*
NOMINAL DEPTH 900 meters

LOCATION	Location of Work: <i>PORTION 129 PARISH OF MILES</i>
	Additional Relevant Property (eg. to Supply) <i>PORTIONS 127, 128, 129 & 130 PARISH OF MILES</i>

Remarks (Siting Compliance):

PURPOSE	<input type="checkbox"/> Stock <input type="checkbox"/> Intensive Stockwatering (Feedlot, Piggery, Poultry) <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Industrial <input type="checkbox"/> School Water Supply Other (Specify): <i>* MINING</i>
---------	---

Location of Works:
Description: *PORTION 129*
Parish: *MILES*
County: *DERBY*

OBJECTION DISTANCE	Distance from Property Boundary: m/km Comments: <i>N/A</i>
--------------------	---

To Supply: *PORTIONS 127, 128, 129, & 130*
PARISH OF MILES
COUNTY OF DERBY

PROCESSING (If Applicable)

Purpose of Works: *MINING + INDUSTRIAL*

ADVERTISING	Newspapers	Date Advertised	Objection Closing Date
	<i>N/A</i>		

Date of Original Issue:

OBJECTIONS	Received from	Date Received	Acknowledged

LICENCE STRUCTURE
(See over for Special Conditions)

ALLOCATION	This Application Annual Requirement MI/W.Y.	Allocation MI/W.Y.	Potential Maximum Allocation MI/W.Y.
	<i>600 ml/wy.</i>	Existing: <i>nil</i> Proposed: <i>nil - until drilling & testing</i>	<i>NO SET GUIDELINE</i>

ACTION SEQUENCE		Signature	Date	Initials	Date
Investigated by					
Prepared by					
Recommended	<i>s.49 - Signature</i>		<i>15/6/90</i>		
Endorsed			<i>15/6/90</i>		
Approved			<i>18/6/90</i>		
Computer Input					
Licence Issued	<i>s.49 - Signature</i>				<i>21/6/90</i>
Report Filed					

NOTE: APPROVAL IN PRINCIPLE FOR 600 ML ALLOCATION HAS BEEN GRANTED

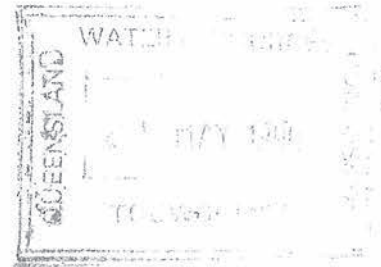
3rd Floor,
67 St. Pauls Terrace,
Spring Hill Q. 4000
P.O. Box 470,
Spring Hill Q. 4004. Australia.
Telephone (07) 332 3228
Fax (07) 332 2582

T1714

Macalister Mining Pty. Ltd.

261.DBK:JC.

May 24, 1990



Water Resources Commission
P.O. Box 3180, Town Hall
TOOWOOMBA QLD 4350

Attention: Mr. Greg Murphy

Dear Sir,

Re: Water Bore Licence - Macalister Coal Project

I wish to confirm that the location of the proposed water bore at the Macalister coal project is as shown on the attached plan, i.e., in the central part of the eastern block of Portion 129, Parish of Miles, County of Derby, owned by Mr. T. Leahy. A copy of the original application is attached.

A bore design has now been finalised after lengthy discussions with the QWRC and the drilling contractors asked to tender for the bore. The proposed design and procedure are now as shown in Table 1, with a bore hole diagram attached.

We are proposing to drill the bore as soon as funding arrangements are finalised and a rig is available. It would therefore be appreciated if a licence could be issued in the name of Macalister Mining Pty. Ltd. in order to expedite the process when these arrangements are completed.

Please contact me if you have any questions regarding the above.

Yours faithfully,

s.49 - Signature

D. BROWN-KENYON
MANAGER - EXPLORATION

Atts.

TABLE 1
SCHEDULE OF PROCEDURES
(200mm Surface Casing)

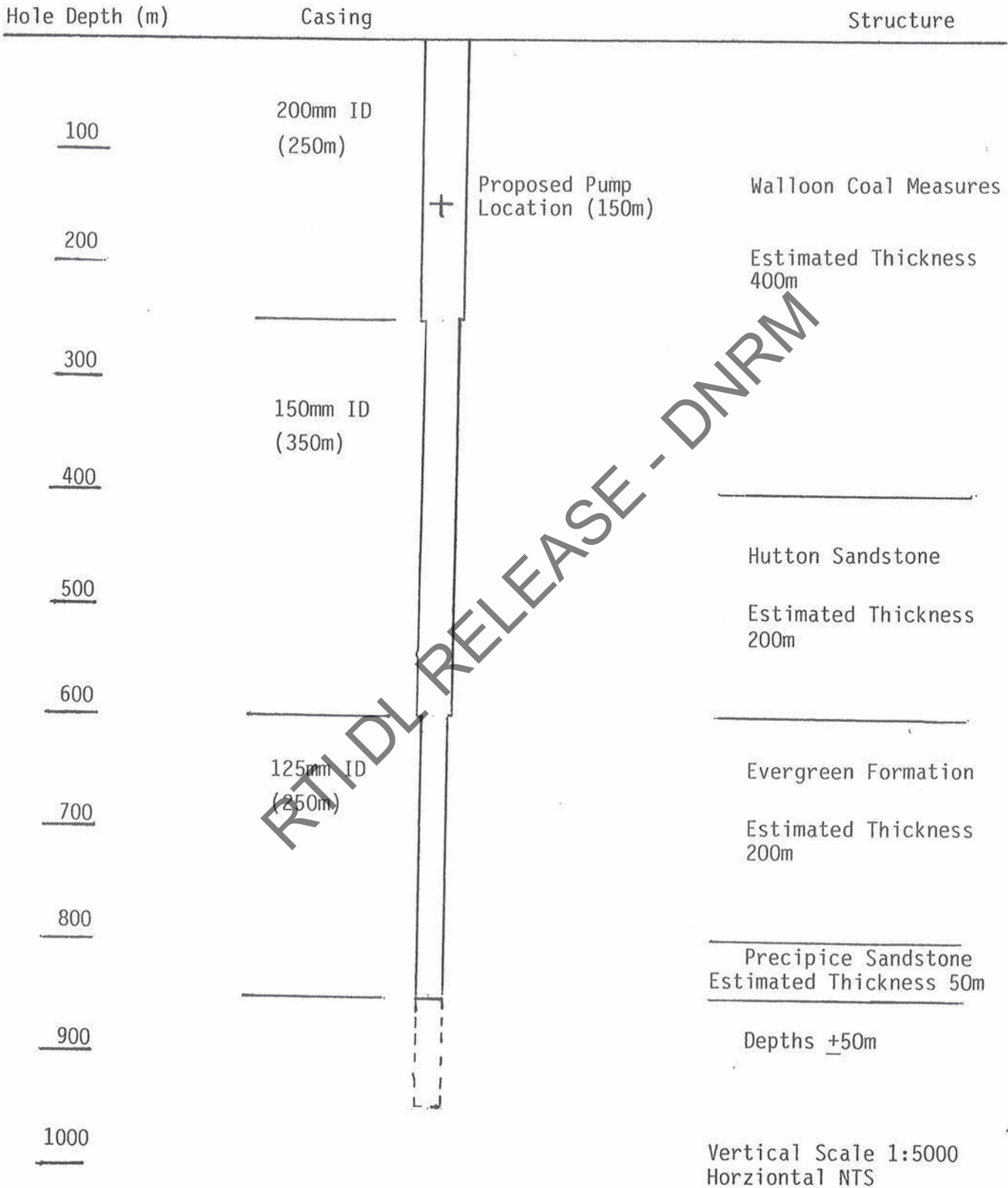
1. BORE DESIGN (+50m depths)

<u>Depth</u>	<u>Casing Size</u>
0-250m	200mm (8") ID <i>Cemented.</i>
250-600m	150mm (6") ID
600-850m	125mm (5") ID

2. DRILLING PROGRAM

1. Drill to 250m or base of Walloon Coal Measures to accept 200mm casing. Run wireline logs.
2. Cement and set 200mm casing.
3. Drill to 600m or base of Hutton Sandstone to accept 150mm casing. Run wireline logs.
4. Flush and develop the Hutton aquifers as appropriate.
5. Run pump test in Hutton Sandstone aquifer.
6. Slot, run and set 150mm casing.
7. Back cement to base of Walloon Coal Measures.
8. Drill to 850m or base of Precipice Sandstone to accept 125mm casing. Run wireline logs.
9. Drill 50m sump.
10. Flush and develop the hole as appropriate.
11. Run pump test in combined quifers.
12. Slot, run and set 125mm casing to base of Precipice Sandstone.
13. Establish headworks.

DRILL HOLE SCHEMATIC



RT/DL RELEASE - DNRM

DIAGRAM 1

QUEENSLAND WATER RESOURCES COMMISSION

SCHEDULE III - ARTESIAN WORKS

86828

APPLICATION FOR LICENSE

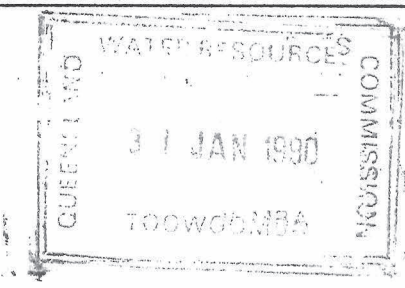
To the Commissioner of Water Resources

I, T.J. Leahy of "Corowa", M.S. 687, Dalby...
 in the State of Queensland, being the owner (or occupier) of land situated as hereunder
 described and shown on the accompanying plan and upon which land is constructed (or it is proposed to construct and use) the
 work hereunder described, do hereby apply for a license in respect of the said work and to utilise the water obtained thereby
 under the provisions of the Water Act 1926-1981.

Dated this 24th day of January 1990...

s.49 - Signature
 Signature of Applicant

NAME AND ADDRESS OF APPLICANT	
Mr. T.J. Leahy "Corowa" M.S. 687 DALBY QLD 4405	
LOCATION OF WORK	
Portion <u>129</u> LOT <u>127</u> D _Y 317	
Parish	Miles
County	Derby
NATURE OF WORK see footnote (a)	
New artesian bore/sub artesian bore.	
DEPTH PROPOSED TO SINK	
920m maximum.	
PARTICULARS OF CASING see footnote (b)	
0-91m - 10" steel casing; 91m-210m - 8" steel casing; 210m-TD - 6" steel casing. TD is expected to be either 625m (base of Hutton Sandstone) or 920m (base of Precipice Sandstone) maximum.	
STATEMENT OF THE PURPOSES FOR WHICH IT IS PROPOSED TO UTILISE THE WATER see footnote (c)	
Industrial - water supply to coal mining and processing operation. <u>AND OTHER RURAL PURPOSES.</u>	
PERIOD FOR WHICH LICENSE IS REQUIRED	
Life of mine; expected to be approximately 15 years.	
APPLICANT TO STATE IF APPLICATION IS MADE FOR AN EXISTING WORK OR A NEW WORK . IF THE FORMER, WHEN COMPLETED	
New work.	



RTI/DI RELEASE - DNRM

FOOTNOTE (a) should state whether the work is an artesian well, or a sub-artesian well, or for enlarging, deepening, or altering a new existing well as the case may be. If the latter work, fill in present depth of bore; also diameter and length of each size of casing at present in bore.

FOOTNOTE (b).- Fill in brand and diameter of casings and depths to which applicant proposes to insert each size of casing. If the work is an existing work, give present depth of bore and particulars of casings inserted in the bore.

FOOTNOTE (c).- A statement of purposes for which it is proposed to utilise the water must be filled in here. Such purposes may be stated as "Domestic", "Irrigation", "Stock Watering", "Industrial", etc. as the case may be.