



Department of
Primary Industries
Office of Water

Metropolitan Collieries Limited
P O Box 402
HELENSBURGH NSW 2508

Contact: Wayne Conners
Phone: 8838-7531
Fax: 8838-7554
Email: wayne.conners@water.nsw.gov.au

Our ref: 10BL603595

Att:- Ryan Pascoe

25 January 2013

Dear Sir

**Subject – Groundwater Licence 10BL603595 – Metropolitan Colliery – Parkes St
HELENSBURGH**

Please find enclosed a copy of your groundwater licence. Your attention is drawn to the nature and description of the work, terms, limitations and conditions under which the licence is issued.

With the commencement of the Water Sharing Plan for the *Greater Metropolitan Region Groundwater Sources* on 1 July 2011, all licences under the *Water Act 1912* will be converted to water access licences and approvals under the *Water Management Act 2000*. You will receive correspondence shortly in relation to the conversion of your licence.

Please be advised that an annual water charge including a base charge and entitlement charge will apply to this licence. These charges are determined by the Independent Pricing & Regulatory Tribunal. This charge is administered by State Water and an account is issued for the period of 1 July to 30 June each year.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Wayne Conners', written over a horizontal line.

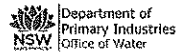
Wayne Conners
Senior Licensing Officer
Licensing South

NSW Office of Water

Sydney South Coast Region
Po Box 3720
10 Valentine Avenue
Parramatta NSW 2124
Phone: (02) 82817777

BORE LICENSE CERTIFICATE UNDER SECTION 115 OF THE WATER ACT, 1912

10BL603595



Metropolitan Collieries Limited
C/- Environment And Community Manager
P O Box 402
Helensburgh NSW 2508

LICENSE NUMBER	
10BL603595	
DATE LICENSE VALID FROM	
25-Jan-2013	
DATE LICENSE VALID TO	
24-Jan-2018	
FEE	
\$151.00	PAID

ABN 47661556763 GST NIL

LOCATION OF WORKS

Portion(s) or Lot/Section/DP	PARISH	COUNTY
7304//1142152	Heathcote	Cumberland

TYPE OF WORKS	PURPOSE(S) FOR WHICH WATER MAY BE USED
Bore	Mining Dewatering (groundwater)

CONDITIONS APPLYING TO THIS LICENSE ARE

As shown on the attached Condition Statement

ORIGINAL

NSW Office of Water

**CONDITIONS STATEMENT REFERRED TO ON
10BL603595
ISSUED UNDER PART V OF THE WATER ACT, 1912
ON 25-Jan-2013**

- (1) THE LICENCE HOLDER MUST DEVELOP AND IMPLEMENT A METHODOLOGY TO ESTIMATE THE ANNUAL VOLUME OF ALL GROUNDWATER INTERCEPTED (WATER BUDGET) APPROVED BY THE OFFICE OF WATER (SURFACE WATER, ALLUVIAL AND HARD ROCK GROUNDWATER VOLUMES MUST BE DETERMINED AND PRESENTED SEPARATELY). WATER BUDGETS MUST BE SET AND APPROVED ONE MONTH PRIOR TO THE BEGINNING OF EACH WATER YEAR TO ENABLE IMPLEMENTATION.
- (2) THE LICENCE HOLDER MUST PROVIDE THE OFFICE OF WATER WITH A MAP OF THE LICENSED SITE SHOWING AREAS OF ALLUVIAL SEDIMENTS AND THE LIMITS TO THE MINE WORKS, INCLUDING ANY ALLUVIUM INTERCEPTED OR EXCAVATED BY THE MINING OPERATIONS.
- (3) THE LICENCE HOLDER MUST IMPLEMENT MEASURES TO PREVENT SURFACE AND/OR ALLUVIAL GROUNDWATER FLOWS FROM ENTERING THE MINE WITHIN SIX (6) MONTHS FROM THE LICENCE ISSUE DATE, AS APPROVED BY THE OFFICE OF WATER. THE LICENCE HOLDER MUST ALSO COMPLY WITH ANY DIRECTIONS ISSUED BY THE OFFICE OF WATER WITH RESPECT TO INSTALLATION AND OPERATION OF NECESSARY WORKS TO ISOLATE THE MINE WORKS FROM ANY SURFACE AND/OR ALLUVIAL GROUNDWATER SOURCES.
- (4) THE LICENSE HOLDER MUST DEVELOP AND IMPLEMENT A MANAGEMENT PLAN IN CONSULTATION WITH THE OFFICE OF WATER, AND PROVIDE FOR APPROVAL WITHIN SIX MONTHS OF ISSUING THE LICENCE. THE MANAGEMENT PLAN MUST INCLUDE:-
- A) A GROUNDWATER MONITORING PLAN INCLUDING BASELINE DATA FOR WATER LEVELS AND QUALITY, AND TRIGGER CRITERIA,
 - B) A GROUNDWATER DEPENDENT ECOSYSTEM AND STREAM MONITORING PLAN
 - C) A CONTINGENCY PLAN INCLUDING MITIGATION AND REMEDIAL MEASURES, AND REPORTING SCHEDULE FOR EXCEEDENCES IN TRIGGER CRITERIA, AND
 - D) THE IDENTIFICATION OF MEASURES TO BE USED TO MINIMISE ONGOING SEEPAGE OF SURFACE AND/OR ALLUVIAL WATER TO THE MINE WORKS AND FOR RESTORING THE MINE WORKS ABOVE THE FINAL WATER LEVEL FOR WHEN THE PITS ARE NO LONGER BEING USED.
 - E) THE ADDITIONAL INFORMATION REQUESTED IN THE TEMPLATE PROVIDED BY THE OFFICE OF WATER
- (5) THE LICENCE HOLDER WILL PROVIDE THE OFFICE OF WATER WITH AN ANNUAL COMPLIANCE REPORT, TO REPORT ON THE RESULTS OF THE GROUNDWATER MONITORING AND CONTINGENCY PLAN, WITHIN ONE MONTH OF THE END OF THE WATER YEAR BEING REPORTED ON. THE ANNUAL COMPLIANCE REPORT MUST:-
- A) ASSESS COMPLIANCE WITH THE LICENCE,
 - B) SUMMARY OF NEW BORES OR PITS CONSTRUCTED DURING THAT YEAR INCLUDING A MAP OF LOCATIONS,
 - C) PROVIDE DETAILED ANALYSIS OF THE MONITORING DATA COLLECTED FOR EACH BORE FOR THE LAST WATER YEAR AND COMPARED WITH BASELINE DATA AND TRIGGER CRITERIA
 - D) A DIGITAL COPY OF ALL THE DATA COLLECTED IN THE LAST WATER YEAR TO BE PRESENTED TO THE OFFICE OF WATER IN EXCEL FORMAT,
 - E) PRESENT CONTINGENCY EVENTS THAT HAVE IMPACTED ON GROUNDWATER DURING THE LAST WATER YEAR, INCLUDING ACTIONS TAKEN TO REMEDY THE SITUATION AND EXTRA MONITORING RESULTS,
 - F) ANY RECOMMENDATIONS FOR IMPROVEMENTS FOR THE NEW WATER YEAR, AND
 - G) A REVIEW OF THE MANAGEMENT PLAN FOR THE NEW WATER YEAR.
- (6) AN EXTRACTION MEASUREMENT DEVICE MUST BE INSTALLED AND MAINTAINED ON EACH EXTRACTION DEVICE (PUMP) USED FOR EXTRACTION OF WATER UNDER THIS LICENCE, AND SUCH

DEVICES MUST BE OF A TYPE AND STANDARD, AND MUST BE MAINTAINED IN A MANNER, WHICH IS ACCEPTABLE TO THE OFFICE OF WATER.

(7) THE LICENCE HOLDER MUST ENSURE THAT AN INDEPENDENT ENVIRONMENTAL (WATER) AUDIT IS CARRIED OUT AT THE END OF THE 5-YEARS LICENCE PERIOD AND SUBMITTED TO THE OFFICE OF WATER AS A COMPREHENSIVE REPORT (ENVIRONMENTAL AUDIT REPORT). THE AUDIT MUST:-

- A) BE CARRIED OUT IN ACCORDANCE WITH GUIDELINES AND GENERAL PRINCIPLES FOR ENVIRONMENTAL AUDITING AND PROCEDURES FOR ENVIRONMENTAL AUDITING APPROVED BY THE OFFICE OF WATER,
- B) ASSESS COMPLIANCE WITH THE REQUIREMENTS OF THE LICENCE, INCLUDING THE MANAGEMENT PLAN,
- C) REVIEW ACTUAL IMPACTS OF THE EXTRACTIONS ON ANY AQUIFERS, GROUNDWATER DEPENDANT ECO-SYSTEMS AND ANY STREAMS IN THE AREA,
- D) MAKE COMPARISONS BETWEEN ACTUAL AND PREDICTED IMPACTS (MODELLED RESULTS);
- E) PROVIDE RECOMMENDATIONS AS TO WORKS THAT OUGHT TO BE PERFORMED OR ADDITIONAL OBLIGATIONS THAT OUGHT TO BE IMPOSED IN ORDER TO RECTIFY ANY IMPACTS ON GROUNDWATER.
- F) BE CONDUCTED BY AN INDEPENDENT CERTIFIED AUDITOR, NOMINATED BY THE LICENCE HOLDER, AND
- G) BE CARRIED OUT AT THE COST OF THE LICENCE HOLDER.

(8) THE VOLUME OF GROUNDWATER EXTRACTED FROM THE WORKS AUTHORISED BY THIS LICENCE, (AND BY LICENCE(S) N/A, SHALL NOT EXCEED 182.5 MEGALITRES (ML) IN ANY 12 MONTH PERIOD COMMENCING 1ST JULY. (THIS IS REFERRED TO AS THE "GROUNDWATER-ONLY ALLOCATION").

(9) THIS IS A SPECIAL PURPOSE (MINE DE-WATERING) LICENCE. AS SUCH, THE LICENCE, INCLUDING THE VOLUMETRIC GROUNDWATER ALLOCATION, IS NOT TRANSFERRABLE AND THE LICENCE WILL LAPSE AT THE CONCLUSION OF MINING OPERATIONS UPON THE OFFICE OF WATER PROVIDING CONFIRMATION THAT SATISFACTORY COMPLIANCE WITH THESE CONDITIONS HAS BEEN ACHIEVED.

End Of Conditions