

NSW Office of Water

Hunter Region
Po Box 2213
3/26 Honeysuckle Drive
Dangar NSW 2309
Phone: (02)49042500

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

20BL173107



Lakecoal Pty Ltd
Po Box 7115
Manning Park NSW 2259

LICENSE NUMBER
20BL173107
DATE LICENSE VALID FROM
12-Mar-2013
DATE LICENSE VALID TO
11-Mar-2018
FEE
\$151.00 PAID

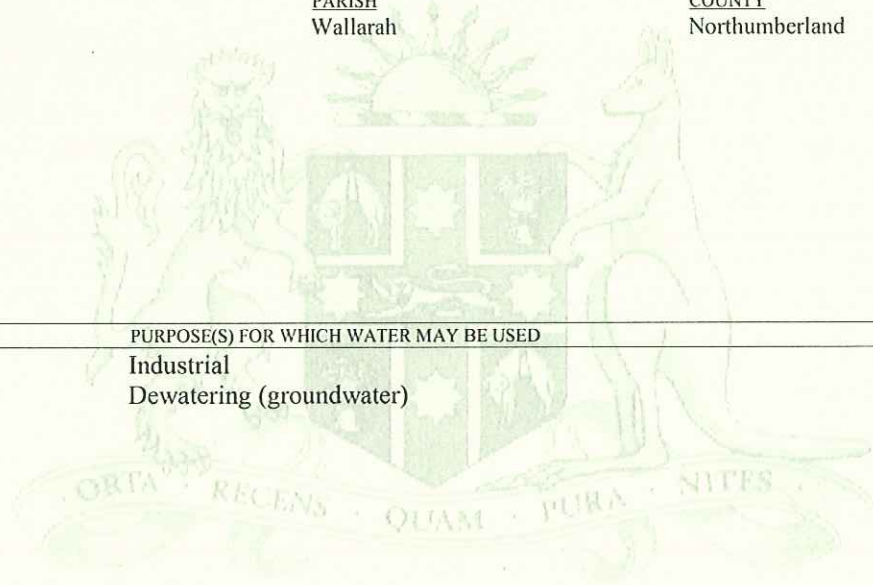
ABN 47661556763 GST NIL

LOCATION OF WORKS

Portion(s) or Lot/Section/DP
C//349733

PARISH
Wallahah

COUNTY
Northumberland



TYPE OF WORKS

PURPOSE(S) FOR WHICH WATER MAY BE USED

Bore

Industrial
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
20BL173107
ISSUED UNDER PART V OF THE WATER ACT, 1912
ON 12-Mar-2013**

- (1) ALL BORES, OTHER THAN BORES USED SOLELY FOR MONITORING PURPOSES, LOCATED WITHIN THE ALLUVIAL SEDIMENTS OF STONY CREEK MUST BE CASED TO PREVENT ALLUVIAL GROUNDWATER FROM ENTERING THE BORE.
- (2) ALL MEASURES THAT ARE IMPLEMENTED TO PREVENT ALLUVIAL GROUNDWATER FLOWS FROM ENTERING THE BORES MUST BE APPROVED BY THE OFFICE OF WATER.
- (3) THE LICENCE HOLDER MUST PROVIDE THE OFFICE OF WATER WITH A MAP OF THE LICENSED SITE SHOWING AREAS OF ALLUVIAL SEDIMENTS LIKELY TO BE IMPACTED BY OPERATION OF EACH BORE
- (4) THE LICENCE HOLDER MUST DEVELOP AND IMPLEMENT A METHODOLOGY TO ESTIMATE THE ANNUAL VOLUME OF ALLUVIAL GROUNDWATER INTERCEPTED (WATER BUDGET), APPROVED BY THE OFFICE OF WATER. WATER BUDGETS MUST BE SET AND APPROVED ONE MONTH PRIOR TO THE BEGINNING OF EACH WATER YEAR TO ENABLE IMPLEMENTATION
- (5) THE LICENCE HOLDER MUST DEVELOP AND IMPLEMENT A GROUNDWATER MONITORING AND CONTINGENCY PLAN, WITH ITS REPORTING SCHEDULE, AND APPROVED BY THE OFFICE OF WATER. THE GROUNDWATER MONITORING AND CONTINGENCY PLAN IS TO BE PREPARED AND SUBMITTED TO THE OFFICE OF WATER WITHIN SIX MONTHS OF ISSUING THE LICENCE USING THE TEMPLATE PROVIDED BY THE OFFICE OF WATER
- (6) BORES ARE ONLY TO BE CONSTRUCTED BY A LICENSED DRILLER, APPROVED BY THE OFFICE OF WATER
- (7) ALL BORES MUST COMPLY WITH MINIMUM CONSTRUCTION REQUIREMENTS FOR WATER BORES IN AUSTRALIA OR ANY DRILLING STANDARDS AS SPECIFIED BY THE OFFICE OF WATER
- (8) CONSTRUCTION OF THE BORES MUST PREVENT CONTAMINATION BETWEEN AQUIFERS THROUGH PROPER BORE CONSTRUCTION.
- (9) THE LICENCE HOLDER MUST, WITHIN 2 MONTHS OF COMPLETION OF THE WORK, OR AFTER THE ISSUE OF THE LICENCE IF THE BORE EXISTS, PROVIDE THE OFFICE OF WATER WITH:
 - (I) DETAILS OF THE WORK ON THE PRESCRIBED FORM,
 - (II) A PLAN SHOWING ACCURATELY THE LOCATION OF THE WORK IN RELATION TO PORTION AND PROPERTY BOUNDARIES, AND
 - (III) DETAILS OF ANY WATER ANALYSES AND/OR PUMPING TESTS
- (10) IF, DURING THE CONSTRUCTION OF THE WATER SUPPLY WORK (BORE), SALINE OR CONTAMINATED WATER IS ENCOUNTERED ABOVE THE PRODUCING AQUIFER, SUCH WATER IS TO BE SEALED OFF BY:
 - (I) INSERTING THE APPROPRIATE LENGTH(S) OF CASING TO A DEPTH SUFFICIENT TO EXCLUDE THE SALINE OR CONTAMINATED WATER FROM THE WORK, AND
 - (II) PLACING AN IMPERMEABLE SEAL BETWEEN THE CASING(S) AND THE WALLS OF THE BORE HOLE FROM THE BOTTOM OF THE CASING TO GROUND LEVEL, AS SPECIFIED BY THE OFFICE OF WATER,
- (11) WHEN A BORE IS ABANDONED, THE LICENCE HOLDER MUST:
 - (I) NOTIFY THE OFFICE OF WATER THAT THE WORK HAS BEEN ABANDONED, AND
 - (II) SEAL OFF THE AQUIFER BY BACKFILLING THE WORK TO GROUND LEVEL AFTER WITHDRAWING THE CASING (LINING), AS SPECIFIED BY THE OFFICE OF WATER,
 - (III) FOLLOW DECOMMISSIONING PROCEDURES THAT COMPLY WITH MINIMUM CONSTRUCTION

REQUIREMENTS FOR WATER BORES IN AUSTRALIA OR ANY STANDARDS SPECIFIED BY THE OFFICE OF WATER.

(12) AN EXTRACTION MEASUREMENT DEVICE MUST BE INSTALLED AND MAINTAINED ON EACH BORE 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.

(13) 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) PROVIDE A SUMMARY OF NEW BORES OR PITS CONSTRUCTED DURING THAT YEAR
- C) PROVIDE STATISTICS FOR THE MONITORING DATA COLLATED FOR EACH BORE FOR THE LAST WATER YEAR
- D) SUMMARISE CONTINGENCY EVENTS THAT IMPACTED ON GROUNDWATER DURING THE LAST WATER YEAR, INCLUDING ACTIONS TAKEN TO REMEDY THE SITUATION AND EXTRA MONITORING RESULTS
- E) ANY RECOMMENDATIONS FOR IMPROVEMENTS FOR THE NEW WATER YEAR

(14) THE LICENCE HOLDER MUST ENSURE THAT AN INDEPENDENT ENVIRONMENTAL (WATER) AUDIT IS CARRIED OUT AT THE END OF THE 5-YEAR 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 GROUNDWATER MONITORING AND CONTINGENCY 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 APPROVED IN ADVANCE BY THE OFFICE OF WATER; AND
- G) BE CARRIED OUT AT THE COST OF THE LICENCE HOLDER.

(15) THE VOLUME OF GROUNDWATER EXTRACTED FROM WORKS AUTHORISED BY BORE LICENSES ON THIS PROPERTY SHALL NOT EXCEED 4443 MEGALITRES IN ANY 12 MONTH PERIOD COMMENCING 1ST JULY.

End Of Conditions