

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

20BL173600



A G L Upstream Investments Pty Ltd
 Locked Bag 1837
 St Leonards NSW 2065

LICENSE NUMBER	
20BL173600	
DATE LICENSE VALID FROM	
22-Aug-2014	
DATE LICENSE VALID TO	
21-Aug-2015	
FEE	
\$151.00	PAID
ABN 47661556763 GST NIL	

LOCATION OF WORKS

Portion(s) or Lot/Section/DP	PARISH	COUNTY
11//841445	Gloucester	Gloucester

TYPE OF WORKS	PURPOSE(S) FOR WHICH WATER MAY BE USED
Well [Csg - Exploration]	Irrigation Industrial

CONDITIONS APPLYING TO THIS LICENSE ARE

As shown on the attached Condition Statement

ORIGINAL

NSW Office of Water**CONDITIONS STATEMENT REFERRED TO ON
20BL173600
ISSUED UNDER PART V OF THE WATER ACT, 1912
ON 22-Aug-2014**

- (1) THE LICENSEE SHALL ALLOW NSW OFFICE OF WATER OR ANY PERSON AUTHORISED BY IT, FULL AND FREE ACCESS TO THE WORKS, EITHER DURING OR AFTER CONSTRUCTION, FOR THE PURPOSE OF CARRYING OUT INSPECTION OR TEST OF THE WORKS AND ITS FITTINGS AND SHALL CARRY OUT ANY WORK OR ALTERATIONS DEEMED NECESSARY BY THE DEPARTMENT FOR THE PROTECTION AND PROPER MAINTENANCE OF THE WORKS, OR THE CONTROL OF THE WATER EXTRACTED AND FOR THE PROTECTION OF THE QUALITY AND THE PREVENTION FROM POLLUTION OR CONTAMINATION OF SUB-SURFACE WATER.
- (2) WORKS USED FOR THE PURPOSE OF CONVEYING, DISTRIBUTING OR STORING WATER TAKEN BY MEANS OF THE LICENSED WORK SHALL NOT BE CONSTRUCTED OR INSTALLED SO AS TO OBSTRUCT THE REASONABLE PASSAGE OF FLOOD WATERS FLOWING INTO OR FROM A RIVER.
- (3) NSW OFFICE OF WATER SHALL HAVE THE RIGHT DURING THE CURRENCY OF THIS LICENSE TO VARY AT ANY TIME THE VOLUMETRIC ALLOCATION, OR THE RATE AT WHICH THIS ALLOCATION IS TAKEN.
- (4) THE VOLUME OF GROUNDWATER EXTRACTED FROM THE WORKS AUTHORISED BY THIS LICENCE SHALL NOT EXCEED 5 MEGALITRES IN ANY 12 MONTH PERIOD COMMENCING 1ST JULY.
- (5) THE WORKS AUTHORISED BY THIS LICENCE MUST BE OPERATED IN ACCORDANCE WITH THE DEPARTMENT OF TRADE AND INVESTMENT , RESOURCES AND ENERGY - CODE OF PRACTICE FOR FRACTURE STIMULATION ACTIVITIES SO AS TO ENSURE ISOLATION OF AQUIFERS OVERLYING THE TARGET COAL SEAM AND PREVENT THE LOSS OR MIXING OF WATER FROM DIFFERENT GROUNDWATER SOURCES.
- (6) THE LICENSEE MUST INSTALL AN APPLIANCE(S) TO MEASURE THE QUANTITY OF WATER EXTRACTED FROM THE WORKS, TO THE SATISFACTION OF THE NSW OFFICE OF WATER IN RESPECT OF TYPE AND CONSTRUCTION .
- (A) THE APPLIANCE(S) TO CONSIST OF EITHER A METER OR SUCH OTHER MEANS OF MEASUREMENT AS MAY BE APPROVED BY THE NSW OFFICE OF WATER.
- (B) THE APPLIANCE(S) SHALL BE MAINTAINED IN GOOD WORKING ORDER AND CONDITION AND PERIODICALLY TESTED FOR APPROPRIATE FUNCTIONAL PERFORMANCE.
- (C) THE LICENSEE WHEN REQUESTED MUST SUPPLY A TEST CERTIFICATE AS TO THE ACCURACY OF THE APPLIANCE(S) FURNISHED EITHER BY THE MANUFACTURER OR BY SOME PERSON DULY QUALIFIED.
- (7) THE LICENSEE MUST MAINTAIN RECORDS OF THE ACTUAL VOLUME OF GROUNDWATER PUMPED (IN KILOLITRES OR MEGALITRES) AS MEASURED BY THE INSTALLED APPLIANCE(S) AS WELL AS VOLUMES OF WATER TRANSPORTED FROM INDIVIDUAL WELL SITES FOR DISPOSAL OR USE AND PROVIDE THIS INFORMATION TO THE NSW OFFICE OF WATER ON AN AGREED BASIS, AT THE COMPLETION OF THE PROJECT, OR UPON REQUEST FROM THE NSW OFFICE OF WATER.
- (8) THE LICENSEE MUST MAINTAIN RECORDS OF THE RESULTS OF WATER QUALITY TESTING OF SAMPLES FROM ANY EXTRACTION OR MONITORING LOCATIONS AND PROVIDE THIS INFORMATION TO THE NSW OFFICE OF WATER ON AN AGREED BASIS, AT THE COMPLETION OF THE PROJECT, OR UPON

REQUEST FROM THE NSW OFFICE OF WATER.

- (9) APPLICATION OF WATER FOR IRRIGATION PURPOSES MUST ONLY BE CARRIED OUT IN ACCORDANCE WITH APPROVAL TO UNDERTAKE PEL 285: TIEDMAN IRRIGATION PROGRAM - MODIFICATION TO APPROVAL, AS APPROVED BY THE OFFICE OF COAL SEAM GAS, DATED 4 JULY 2014.
- (10) WATER ABSTRACTED FROM THE BORE MUST NOT BE USED FOR IRRIGATION PURPOSES AFTER 30 APRIL 2015, UNLESS APPROVED BY OFFICE OF COAL SEAM GAS.
- (11) UNLESS IN ACCORDANCE WITH CONDITION 9 OR CONDITION 10 THE HOLDER OF THE LICENCE SHALL NOT ALLOW ANY WATER EXTRACTED FROM THE BORE TO DISCHARGE INTO OR ONTO:
- ANY LAND
 - ANY RIVER, CREEK OR WATERCOURSE
- (12) IF THE WORK IS TO BE ABANDONED ALL ABANDONMENT AND DECOMMISSIONING WORKS MUST OCCUR IN ACCORDANCE WITH THE DEPARTMENT OF TRADE AND INVESTMENTS RESOURCES AND ENERGY - CODE OF PRACTICE FOR COAL SEAM GAS WELL INTEGRITY (SEPTEMBER 2012). THE HOLDER OF THE LICENCE MUST ENSURE THAT THE OUTCOMES OF WELL ABANDONMENT AS DESCRIBED IN THE ABOVE MENTIONED DOCUMENT ARE MET.
- (13) PRIOR TO COMMENCING ABANDONMENT OF THE WORK THE HOLDER OF THE LICENCE MUST SUBMIT TO THE NSW OFFICE OF WATER THEIR APPROVAL TO DECOMMISSION THE WORK FROM THE OFFICE OF COAL SEAM GAS.
- (14) WITHIN THREE MONTHS OF THE WORK BEING ABANDONED THE LICENCE HOLDER MUST SUBMIT TO THE NSW OFFICE OF WATER THE DECOMMISSIONING REPORT.
- (15) THE HOLDER OF THE LICENCE MUST MEASURE THE QUANTITY OF WATER INJECTED INTO THE WORK DURING THE COURSE OF THE WAUKIVORY PILOT PROJECT AS APPROVED BY THE OFFICE OF COAL SEAM GAS. THE MEANS OF MEASURING THE QUANTITY OF THIS WATER MUST BE TO THE SATISFACTION OF THE NSW OFFICE OF WATER.

THE HOLDER OF THE LICENCE MUST MAINTAIN A RECORD OF THE ACTUAL VOLUME OF WATER INJECTED INTO THE WORK IN KILOLITRES OR MEGALITRES. THIS INFORMATION IS TO BE PROVIDED TO THE NSW OFFICE OF WATER AT THE COMPLETION OF THE PROJECT OR UPON REQUEST FROM THE NSW OFFICE OF WATER.

End Of Conditions