

AGL UPSTREAM INVESTMENTS PTY LTD

GLOUCESTER GAS PROJECT

March 2017 Monitoring Report

Tiedman Irrigation Program EPL 20358

Reporting Period: February 2017

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Foreword

PREMISES	Gloucester Coal Seam Gas Project Bucketts Way Gloucester NSW 2422
LICENCE DETAILS	Environment Protection Licence 20358
LICENCEE	AGL Upstream Investments Pty Limited (AGL)
LICENCEE'S ADDRESS	Locked Bag 1837, North Sydney, NSW 2060
MONITORING DATE	6, 7, 21 February 2017
MONITORING BY	EMM Consulting Pty Ltd (EMM), on behalf of AGL
ANALYSIS BY	ALS Laboratory, Smithfield (Work order: ES1702898)
DATE AGL OBTAINED DATA	7 March 2017
REPORT DATE	7 March 2017

REPORT PREPARED BY James Duggleby, Principal Hydrogeologist, EMM, on behalf of AGL

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Introduction

On 4 February 2016 AGL Upstream Investments Pty Ltd (AGL) announced that the GGP will not proceed to final investment stage. AGL will relinquish Petroleum Exploration Licence (PEL) 285 to the NSW Government and are completing a comprehensive decommissioning and rehabilitation program for well sites and other infrastructure in the Gloucester region.

This Monitoring Report relates to the water monitoring activities specified in Part 5, Monitoring and Recording Conditions, of the Environment Protection Licence 20358. This report relates specifically to the monitoring surrounding the Tiedman Irrigation Program, and details monitoring results from a quarterly water sampling event at the Tiedman Irrigation Program (6, 7 February 2017) and monthly and fortnightly water sampling from the Tiedman Irrigation discharge monitoring point (6,7 and 21 February 2017 respectively).

As per the Licence, the monitoring encompasses the monitoring points at the locations as shown in Table 1 and Figure 1. The specific analytes and frequency tested are shown in Table 2. The monitoring results for this reporting period are shown in Table 3, Table 4, and Table 5.

The monitoring points that are the subject of this report were part of the GGP groundwater monitoring network, as described in AGL's Water Management Plan for the Tiedman Irrigation Program (AGL, 2012a) and Soil Quality Monitoring and Management Program (AGL, 2012b)). Water monitoring results for the irrigation program are presented in a baseline water monitoring report (PB, 2013a) and six-monthly compliance reports (PB, 2013a, 2013b, 2014a, 2014b, 2015a, and 2015b).

The following sampling methods were used to obtain surface water and groundwater samples:

- Submersible 12V pump at the groundwater monitoring bores screened within relatively permeable geological materials: TMB01, TMB02 and TMB03. A minimum of three well volumes was purged prior to sampling.
- Submersible 12V pump at the seepage monitoring bores TMB04 and TMB05 which are screened within material of very low permeability. The physical parameters of the purged groundwater were initially tested, then the bores were purged dry and if any inflow was observed within 12 hours then physical parameters were tested again and a sample taken for analysis.
- Disposable bailer at the shallow perched soil water piezometers (with piezometers purged dry and if any inflow was observed within 12 hours then physical parameters were tested again and a sample taken for analysis). Note, all soil water piezometers were dry during the February 2017 sampling event.
- Micro-purge low-flow sample pump for groundwater monitoring bores S4MB01, TTMB02 and TCMB01 screened within material of relatively low permeability.
- Grab sample using a telescopic sampler for irrigation discharge point water samples.

EC and pH were monitored during purging to ensure that they had stabilised prior to sample collection. The water quality samples are analysed by an external NATA certified laboratory (ALS Environmental, Smithfield), in accordance with the EPA Approved Methods Publication "*Approved Methods for the Sampling and Analysis of Water Pollutants in New South Wales*" (EPA, 2004), with the exception of calcium, which underwent filtration rather than acid extraction as a preliminary treatment prior to analysis.

This report is prepared in accordance with the *Requirements for Publishing Pollution Monitoring Data* (EPA, 2012) (Publication Requirements).

The remaining water and land monitoring points in EPL 20358 will be reported in subsequent reports when the requirement for monitoring is triggered.

More information on the groundwater monitoring of the GGP is available on the project website: <u>agl.com.au/Gloucester</u>

	-				
EPA ID no.	Monitoring Point	Type of monitoring point	Easting (m)	Northing (m)	
30	TMBO4	Groundwater quality monitoring	402558.1	6448921.7	
31	TMB05	Groundwater quality monitoring	402650.1	6448725.3	
39	TMB01	Groundwater quality monitoring	401996.98	6449419.7	
40	TMB02	Groundwater quality monitoring	401905.11	6449100.6	
41	TMB03	Groundwater quality monitoring	401969.53	6448755	
42	S4MB01	Groundwater quality monitoring	402581.88	6449409.7	
43	TCMB01	Groundwater quality monitoring	402501.7	6448899	
44	TTMB02	Groundwater quality monitoring	402699	6449358	
45	SP1B	Soil water quality monitoring	402570.3	6449381.3	
46	SP2B	Soil water quality monitoring	402444.2	6449100.1	
47	SP4B	Soil water quality monitoring	402252	6449131.3	
48	SP6B	Soil water quality monitoring	402103.5	6449178.6	
49	SP7B	Soil water quality monitoring	402144.8	6449292.1	
50	SP8B	Soil water quality monitoring	402159.1	6449454.8	
51	SP9B	Soil water quality monitoring	402387.5	6449016.9	
52	SP10B	Soil water quality monitoring	402344.2	6448840.6	
91	Tiedman Dams Irrigation Discharge	Discharge point of blended water	Tiedman South Dam		

Table 1: Water quality monitoring points: Irrigation Program (as per EPL 20358)

Coordinate reference system: Map Grid of Australia 1994

Figure 1: Location of groundwater and surface water quality monitoring points: Irrigation Program (as per EPL 20358)

PARSONS BRINCKERHOFF GLOUCESTER GAS PROJECT AGL UPSTREAM INVESTMENTS PTY LTD S4MB01 TMB0 S4MB01 TTMB02 TTMB02 STAGE 14 SP4F SP9B TCMB01 ST/ TMB03 TCMB01 SP10B With a fake . Groundwater monitoring bore • Water storage dam Roads Figure 1 Tiedman irrigation program monitoring network Perched shallow piezometer Seepage monitoring bore Weather station Stage 1 irrigation area Tracks Atkins Property Tiedman Property

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			Monitoring points									
Analyte	Units of measure	30,	31	39,40,4	1,42,43,44	45,46,47,4	8,49,50,51, 52	ç	91 ^b			
		Frequency	sampling method	Frequency	sampling method	Frequency	sampling method	Frequency	sampling method			
luminium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
mmonia	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
rsenic	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
Barium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
Benzene	micrograms per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
Beryllium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
licarbonate	milligrams per litre	Special Frequency 1	Grab sample					Monthly	Grab sample			
oron	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
admium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
alcium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
hloride	milligrams per litre	Special Frequency 1	Grab sample					Monthly	Grab sample			
hromium	milligrams per litre			Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
obalt	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
issolved oxygen	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample					
lectrical conductivity	microsiemens per centimetre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Fortnightly	Probe			
thyl benzene	micrograms per litre ^a	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
luoride	milligrams per litre					-		Monthly	Grab sample			
ron	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
ead	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
lagnesium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
langanese	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
lercury	milligrams per litre			Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
lolybdenum	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
litrate	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
litrite	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
litrogen (total)	milligrams per litre	1 5						Monthly	Grab sample			
-	pH			Quarterly	Grab sample	Quarterly	Grab sample	Fortnightly	Probe			
	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
Potassium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
Reactive Phosphorus	milligrams per litre	Special Frequency 1	Grab sample	quarteriy	orab bampio	duartority	orab sample	liionany	orab sample			
edox potential	millivolts	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Fortnightly	Probe			
-	milligrams per litre	Special Frequency 1		-		-		Monthly				
ielenium	.	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample		Grab sample			
ilica odium	milligrams per litre milligrams per litre	Special Frequency 1	Grab sample	Quarterly Quarterly	Grab sample Grab sample	Quarterly Quarterly	Grab sample Grab sample	Monthly Monthly	Grab sample Grab sample			
odium Adsorption		opecial requelley I	Sido Sample	counterry	or do sample	Councilly	orao sample					
Ratio	milligrams per litre ^c meters (Australian Height	Special from the C	Special method 5	Special frequency	Capacial mother d.F.	Quartash	Special method 1	Monthly	Grab sample ^c			
	Datum)	Special frequency 8		8	Special method 5	Quarterly		Monthly	Crah comple			
	milligrams per litre	Special Frequency 1 Special Frequency 1	Grab sample Grab sample	Quarterly Quarterly	Grab sample Grab sample	Quarterly Quarterly	Grab sample Grab sample	Monthly Monthly	Grab sample Grab sample			
emperature	degrees Celcius	opecial requelley I	Sido Sample	counterry	or do sample	Councilly	orao sample	Fornightly	Probe			
oluene	-	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
otal alkalinity	micrograms per litre ^a milligrams per litre	opoolar requelley r	stab sample	Quarterly	Grab sample	a dan terry	or ab sample	Monthly	Grab sample			
		Cassial Fragment 1	Croh comr.			Questark	Crob comr.					
	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Fornightly	Probe			
otal organic carbon	milligrams per litre	Special Frequency 1	Grab sample					Monthly	Grab sample			
otal suspended olids	milligrams per litre							Monthly	Grab sample			
Iranium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
anadium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
ylene	micrograms per litre ^a	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			
linc	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample			

Table 2: Analytes monitored and frequency - monitoring points 30 – 52, as per the EPL 20358 version valid at the time of sampling (version 5 January 2017)

Notes:

Special Frequency 1 - Quarterly if inflow within 12 hours of purging dry.

 Special Frequency 8 - Every 6 hours. Note these monitoring points may form part of AGL's rehabilitation work, and should a monitoring point be rehabilitated, than monitoring will no longer be required from that point.

 Special Method 1 - Manual dip
 Special Method 4 - By calculation
 Special Method 5 - Automated datalogger

Shaded grey - not required to be analysed

^aEPL20358 (issued 5 January 2017) contains inconsistancies in the required Units of Measure for Toluene, Ethyl Benzene and Xylene. For consistency with laboratory data BTEX concentrations are reported here in micrograms per litre. ^bMonitoring Point 91 is only required during periods when the Licensee is utilising the water irrigation or stock use.

^c Unit of measure is incorrectly referenced as 'miligrams per litre' - should be 'ratio'. And sampling method is incorrectly assigned as 'grab sample' in EPL - should be 'Special Method 4 - By calculation'

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Groundwater and surface water monitoring results

Table 3: February 2017 water monitoring results for monitoring points 30-44 and point 91

		Monitoring points	30	31	39	40	41	42	43	44	ç	1
		Location	TMB04	TMB05	TMB01	TMB02	TMB03	S4MB01	TCMB01	TTMB02	т	Da
		Sampled date	7/02/2017	7/02/2017	7/02/2017	7/02/2017	6/02/2017	7/02/2017	7/02/2017	7/02/2017	6/02/2017 ^b	21/02/2017 ^c
		Date AGL obtained data	7/03/2017	7/03/2017	7/03/2017	7/03/2017	7/03/2017	7/03/2017	7/03/2017	7/03/2017	7/03/2017	7/03/2017
Analyte	Units of measure	Limit of reporting										
Aluminium	mg/L	0.01	0.02	0.31	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	
Ammonia	mg/L	0.01	0.10	0.08	0.14	0.24	0.16	1.98	1.12	0.56	0.03	
Arsenic	mg/L	0.001	< 0.001	< 0.001	< 0.001	0.003	0.003	< 0.001	< 0.001	< 0.001	0.002	
Barium	mg/L	0.001	0.092	0.119	0.224	0.697	0.176	4.69	10.2	0.695	0.130	
Benzene	цg/L	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Beryllium	mg/L	0.001	< 0.001	0.002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	<0.001	
Bicarbonate	mg/L	1	153	9							124	
Boron	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.15	< 0.05	< 0.05	0.09	
Cadmium	mg/L	0.0001	< 0.0001	0.0019	<0.0001	< 0.0001	< 0.0001	<0.0001	< 0.0001	< 0.0001	<0.0001	
Calcium	mg/L	1	89	52	242	136	217	285	217	170	21	
Chloride	mg/L	0.1	2040	2330							102	
Chromium	mg/L	0.001			< 0.001	<0.001	<0.001	<0.001	<0.001	< 0.001	< 0.001	
Cobalt	mg/L	0.001	0.066	0.253	< 0.001	0.003	0.002	<0.001	<0.001	< 0.001	< 0.001	
Copper	mg/L	0.001	0.003	0.014	< 0.001	<0.001	<0.001	<0.001	< 0.001	< 0.001	0.003	
Dissolved oxygen ^d	mg/L	0.01	0.63	3.89	1.00	0.76	0.89	0.89	1.14	2.27		
Electrical conductivity ^d	µS/cm	1	7470	7520	9100	4380	6080	4840	3100	2560	896	899
Ethyl benzene	чg/L	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Fluoride	mg/L	0.1									0.2	
Iron	mg/L	0.05	9.69	8.07	2.9	5.19	2.95	0.44	2.42	2.34	< 0.05	
Lead	mg/L	0.001	< 0.001	< 0.001	<0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	<0.001	
Magnesium	mg/L	1	215	245	248	96	140	53	70	54	6	
Manganese	mg/L	0.001	9.77	20.3	0.847	1.49	1.59	0.121	0.038	0.106	0.017	
Mercury	mg/L	0.0001			<0.0001	<0.0001	< 0.0001	<0.0001	< 0.0001	<0.0001	<0.0001	
Molybdenum	mg/L	0.001	0.001	0.001	<0.001	0.004	0.004	< 0.001	0.002	< 0.001	0.006	
Nickel	mg/L	0.001	0.031	0.122	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	<0.001	
Nitrate	mg/L	0.01	0.06	0.14	0.02	0.02	0.01	0.01	0.06	0.05	0.02	
Nitrite	mg/L	0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	<0.01	
Nitrogen (total)	mg/L	0.1									3.7	
pH ^d	pH	0.01			6.33	6.16	6.71	6.77	6.57	6.63	7.48	6.83
Phosphorus (total)	mg/L	0.01	0.06	0.02	0.02	0.03	0.02	0.05	<0.01	0.30	0.23	
Potassium	mg/L	1	19	17	2	3	2	5	4	3	44	
Reactive Phosphorus	mg/L	0.01	< 0.01	< 0.01								
Redox potential ^d	mV	0.1	-83.3	-83.1	-88.8	-79.1	-72.0	-114.9	-85.0	-89.7	-38.5	-12.2
Selenium	mg/L		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Silica	mg/L	0.05	4040	4000	37.90	33.80	30.50	25.30	19.50	33.40	7.95	
Sodium Sodium Adsorption Ratio	mg/L ratio	1 0.01	1040	1000	1220	583	816	599	266	252	130	
Sodium Adsorption Ratio Standing water level	ratio m AHD	0.01	Refer to Table 5	Refer to Table 5	Refer to Table 5	Refer to Table	0.44					
Standing water level Strontium (dissolved)		0.001	0.941	0.814	6.78	3.16	5.80	26.7	15.3	3.22	0.280	
Sulfate	mg/L mg/L	1	590	195	6.78	3.16	5.80	26.7	<1	65	129	
Temperature ^d	°C	0.1	370	175	/4	31	100	7	× 1	0.5	34.2	27.8
Toluene	цg/L	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	27.0
Total alkalinity	mg/L	1			613	211	510	441	308	398	124	
Total dissolved solids	mg/L	10	4410	4950	5730	2320	3680	2650	2290	1580	585 ^d	584 ^d
Total organic carbon	mg/L	1	4410	4 4 50	5,55	2020	5000	2000	11.10	1000	28	304
Total suspended solids	mg/L	5	-	-							50	
Uranium	mg/L	0.001	<0.001	< 0.001	0.005	< 0.001	0.006	<0.001	< 0.001	< 0.001	< 0.001	
Vanadium	mg/L	0.001	< 0.001	< 0.001	< 0.01	< 0.001	< 0.01	< 0.001	<0.001	< 0.001	< 0.001	
Xylene	ug/L	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Zinc	mg/L	0.005	0.137	0.945	0.007	0.005	<0.005	< 0.005	0.006	0.005	0.020	

Key:

^cfortnightly sample

Shaded grey = not required to be analysed ^aTID = Tiedman Irrigation Discharge monitoring point ^bmonthly sample

^dmeasured with calibrated field meter na - not analysed as no sample collected Page 7 of 10

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Groundwater and surface water monitoring results

Table 4: February 2017 water monitoring results for monitoring points 45 – 52

		Monitoring points	45	46	47	48	49	50	51	52
		Location	SP1B ^b	SP2B ^b	SP4B ^b	SP6B ^b	SP7B ^b	SP8B ^b	SP9B ^b	SP10B ^b
		Sampled date Date AGL	7/02/2017	7/02/2017	7/02/2017	7/02/2017	7/02/2017	7/02/2017	7/02/2017	7/02/2017
		obtained data	na							
Analyte	Units of measure	Limit of reporting								
Aluminium	mg/L	0.01	na							
Ammonia	mg/L	0.01	na							
Arsenic	mg/L	0.001	na							
Barium	mg/L	0.001	na							
Benzene	yg/L	1	na							
Beryllium	mg/L	0.001	na							
Bicarbonate	mg/L	1								
Boron	mg/L	0.05	na							
Cadmium	mg/L	0.0001	na							
Calcium	mg/L	1	na							
Chloride	mg/L	0.1								
Chromium	mg/L	0.001	na							
Cobalt	mg/L	0.001	na							
Copper	mg/L	0.001	na							
Dissolved oxygen ^a	mg/L	0.01	na							
Electrical conductivity ^a	µS/cm	1	na							
Ethyl benzene	чg/L	2	na							
Fluoride	mg/L	0.1								
Iron	mg/L	0.05	na							
Lead	mg/L	0.001	na							
Magnesium	mg/L	1	na							
Manganese	mg/L	0.001	na							
Mercury	mg/L	0.0001	na							
Molybdenum	mg/L	0.001	na							
Nickel	mg/L	0.001	na							
Nitrate	mg/L	0.01	na							
Nitrite	mg/L	0.01	na							
Nitrogen (total)	mg/L	0.1								
pH ^a	pН	0.01	na							
Phosphorus (total)	mg/L	0.01	na							
Potassium	mg/L	1	na							
Reactive Phosphorus	mg/L	0.01								
Redox potential ^a	mV	0.1	na							
Selenium	mg/L	0.01	na							
Silica	mg/L	0.05	na							
Sodium	mg/L	1	na							
Sodium Adsorption Ratio	ratio	0.01								
Standing water level	m AHD	-	na							
Strontium (dissolved)	mg/L	0.001	na							
Sulfate	mg/L	1	na							
Temperature ^a	°C	0.1								
Toluene	чg/L	2	na							
Total alkalinity	mg/L	1								
Total dissolved solids	mg/L	10	na							
Total organic carbon	mg/L	1								
Total suspended solids	mg/L	5								
Uranium	mg/L	0.001	na							
Vanadium	mg/L	0.01	na							
Xylene	ug/L	2	na							
Zinc	mg/L	0.005	na							

Shaded grey = not required to be analysed

^a measured with calibrated field meter

 $^{\rm b}$ No water present at this location at the time of sampling

na - not analysed as no sample collected



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Table 5: Continuous water level monitoring results for monitoring points 30, 31, MAGL 39 - 44 for the period 4 November 2016 – 7 February 2017

Monitoring point	30	31	39	40	41	42	43	44			
Location	TMB04	TMB05	TMB01	TMB02	TMB03	S4MB01	TCMB01	TTMB02			
Data type	Standing water level										
Units	mAHD										
Data date range	-	3/11/2016 - 6/02/2017				3/11/2016 - 7/02/2017					
Date data downloaded	6/02/2017	6/02/2017	7/02/	2017	6/02/2017	7/02/	7/02/2017				
Date data supplied to AGL	7/3/2016										
Monitoring frequency required by EPL 20358	Every 6 hours	Every 6 hours	Every 6 hours	Every 6 hours	Every 6 hours	Every 6 hours	Every 6 hours	Every 6 hours			
Actual monitoring frequency	Every 6 hours	Every 6 hours	Every 6 hours	Every 6 hours	Every 6 hours	Every 6 hours	Every 6 hours	Every 6 hours			
No. of times measured during monitoring period	377	381	383	383	380	383	383	380			
Min. value	112.62	110.21	102.13	102.54	103.58	113.03	113.80	114.03			
Mean value	113.32	113.24	102.31	102.68	103.73	113.22	113.85	114.07			
Median value	113.33	113.29	102.28	102.67	103.73	113.22	113.85	114.07			
Max. value	113.38	113.36	102.65	102.86	103.86	113.31	113.90	114.15			

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