

Environment Monitoring Results



Environment Protection Licences No	11393
Link To Licence on EPA Website	http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=7374&SYSUID=1&LICID=11393
Licencees Name	Rivalea (Australia) Pty Ltd
Licencees Address	Riverina Highway, Bungowannah, NSW 2640
Substance Monitored	GROUNDWATER
Monitoring Frequency	Quarterly
Reporting period	31/12/2012 -31/12/2016
Published Date	31/01/2017

Sampling Date	Monitoring Point	AMMONIA (mgN/L)	DEPTH (m)	NITRATE (mgN/L)	NITRITE (mgN/L)	TOTAL NITROGEN (mgN/L)
23/01/2013	PIEZOMETER 1 (MW3) (MP 1)		17.97	31		
	PIEZOMETER 2 (MP 2)		19.56	8.9		
	PIEZOMETER 3 (MP 3)		19.77	1.2		
	PIEZOMETER 4 (MP 4)		DRY			
3/04/2013	PIEZOMETER 1 (MW3) (MP 1)		18.14	29		
	PIEZOMETER 2 (MP 2)		19.66	4.6		
	PIEZOMETER 3 (MP 3)		19.76	1.1		
	PIEZOMETER 4 (MP 4)		DRY			
25/06/2013	PIEZOMETER 1 (MW3) (MP 1)		18.22	25		
	PIEZOMETER 2 (MP 2)		19.67	5.6		
	PIEZOMETER 3 (MP 3)		19.78	1.2		
	PIEZOMETER 4 (MP 4)		DRY			
25/09/2013	PIEZOMETER 1 (MW3) (MP 1)		18.13	30.5		
	PIEZOMETER 2 (MP 2)		19.68	4.9		
	PIEZOMETER 3 (MP 3)		19.83	1.2		
	PIEZOMETER 4 (MP 4)		13.64	24		
10/12/2013	PIEZOMETER 1 (MW3) (MP 1)		18.19	18.5		
	PIEZOMETER 2 (MP 2)		19.74	4.2		
	PIEZOMETER 3 (MP 3)		19.89	1.6		
	PIEZOMETER 4 (MP 4)		DRY			
21/03/2014	PIEZOMETER 1 (MW3) (MP 1)		18.41	30.5		
	PIEZOMETER 2 (MP 2)		19.81	4.5		
	PIEZOMETER 3 (MP 3)		DRY			
	PIEZOMETER 4 (MP 4)		DRY			
1/07/2014	PIEZOMETER 1 (MW3) (MP 1)		20.67			
	PIEZOMETER 2 (MP 2)		19.83	4.2		
	PIEZOMETER 3 (MP 3)		19.91	2		
	PIEZOMETER 4 (MP 4)		14.36			
8/10/2014	PIEZOMETER 1 (MW3) (MP 1)		DRY			
	PIEZOMETER 2 (MP 2)	0.01	19.8	3.5	0.01	4.1

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8/10/2014	PIEZOMETER 3 (MP 3)	0.01	19.89	2	0.02	2.7
	PIEZOMETER 4 (MP 4)		DRY			
17/12/2014	PIEZOMETER 1 (MW3) (MP 1)		DRY			
	PIEZOMETER 2 (MP 2)	0.01	19.84	2.8	0.02	3
	PIEZOMETER 3 (MP 3)	0.01	19.82	2.1	0.01	2.6
5/03/2015	PIEZOMETER 1 (MW3) (MP 1)		DRY			
	PIEZOMETER 2 (MP 2)	0.01	19.91	3.6	0.01	4.2
	PIEZOMETER 3 (MP 3)	0.01	20.1	2.3	0.01	2.8
	PIEZOMETER 4 (MP 4)		DRY			
10/06/2015	PIEZOMETER 1 (MW3) (MP 1)		DRY			
	PIEZOMETER 2 (MP 2)	1.9	19.95	0.4	0.02	
	PIEZOMETER 3 (MP 3)	0.01	20.03	2	0.02	
	PIEZOMETER 4 (MP 4)		DRY			
29/09/2015	PIEZOMETER 1 (MW3) (MP 1)		DRY			
	PIEZOMETER 2 (MP 2)	0.01	19.69	2.4	0.01	3
	PIEZOMETER 3 (MP 3)	0.01	19.7	1.7	0.01	2.2
	PIEZOMETER 4 (MP 4)		DRY			
16/12/2015	PIEZOMETER 1 (MW3) (MP 1)		DRY			
	PIEZOMETER 2 (MP 2)	0.01	19.74	2.9	0.03	3.4
	PIEZOMETER 3 (MP 3)	0.01	19.94	1.5	0.01	1.9
	PIEZOMETER 4 (MP 4)		DRY			
23/03/2016	PIEZOMETER 1 (MW3) (MP 1)		DRY			
	PIEZOMETER 2 (MP 2)	0.01	19.9	2.4	0.04	2.8
	PIEZOMETER 3 (MP 3)	0.01	20.1	1.6	0.01	2.2
	PIEZOMETER 4 (MP 4)		DRY			
6/07/2016	PIEZOMETER 1 (MW3) (MP 1)		DRY			
	PIEZOMETER 2 (MP 2)	0.01	19.93	3.6	0.01	3.8
	PIEZOMETER 3 (MP 3)	0.01	20.03	1.4	0.05	2
	PIEZOMETER 4 (MP 4)		DRY			
12/09/2016	PIEZOMETER 1 (MW3) (MP 1)		DRY			
	PIEZOMETER 2 (MP 2)	0.01	19.56	3.4	0.03	4
	PIEZOMETER 3 (MP 3)	<0.01	19.7	1.7	0.02	2.2
	PIEZOMETER 4 (MP 4)	0.02	12.5	35	<0.01	35
13/09/2016	PIEZOMETER 1 (MW3) (MP 1)	<0.01	18.25	19	0.01	19
	PIEZOMETER 2 (MP 2)	0.01	22.55	3.4	0.03	4
	PIEZOMETER 3 (MP 3)	<0.01	19.7	1.7	<0.01	1.7
	PIEZOMETER 4 (MP 4)	0.02	12.5	35	<0.01	35
15/12/2016	PIEZOMETER 1 (MW3) (MP 1)	<0.01	18.8	19	0.01	21
	PIEZOMETER 2 (MP 2)	0.01	19.86	4.4	0.01	5.2
	PIEZOMETER 3 (MP 3)	<0.01	19.7	1.4	0.02	1.9
	PIEZOMETER 4 (MP 4)	<0.01	13.8	28	0.01	33

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Average					
Monitoring Point	AMMONIA (mgN/L)	DEPTH (m)	NITRATE (mgN/L)	NITRITE (mgN/L)	TOTAL NITROGEN (mgN/L)
PIEZOMETER 1 (MW3) (MP 1)	0.00	18.56	25.31	0.01	20.00
PIEZOMETER 2 (MP 2)	0.18	19.93	3.87	0.02	3.75
PIEZOMETER 3 (MP 3)	0.01	19.86	1.63	0.02	2.22
PIEZOMETER 4 (MP 4)	0.01	13.36	30.50	0.00	34.33

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