

**Groundwater Monitoring Data January 2018**

Published: <b>21/02/2018</b> Licensee: Cargill Newcastle EPL no.: 5810									
Qualifications related to limits Samples taken as per approved methods.									
EPA Point ID	Sampling Date	Date Results Received	Pollutant	Measurement Period and Monitoring Frequency Required by Licence	Units	Value 25/01/2018	2018 Values to date		
							Min Value	Mean Value	Max Value
6	25/01/2018	19/02/2018	pH	Every 6 months	pH	7.41	7.41	7.41	7.41
			Calcium	Every 6 months	mg/L	49	49	49	49
			Conductivity	Every 6 months	µS/cm	3,530	3,530	3,530	3,530
			Magnesium	Every 6 months	mg/L	36	36	36	36
			Nitrate	Every 6 months	mg/L	<0.01	<0.01	<0.01	<0.01
			Nitrogen (total)	Every 6 months	mg/L	90.0	90.0	90.0	90.0
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	90.0	90.0	90.0	90.0
			Phosphorus (total)	Every 6 months	mg/L	369	369	369	369
			Sodium	Every 6 months	mg/L	597	597	597	597
			Sulfate	Every 6 months	mg/L	10	10	10	10
			Total Dissolved Solids	Every 6 months	mg/L	1,780	1,780	1,780	1,780
Standing Water Level	Every 6 months	m	3	3	3	3			
7	25/01/2018	19/02/2018	pH	Every 6 months	pH	7.27	7.27	7.27	7.27
			Calcium	Every 6 months	mg/L	154	154	154	154
			Conductivity	Every 6 months	µS/cm	2,470	2,470	2,470	2,470
			Magnesium	Every 6 months	mg/L	18	18	18	18
			Nitrate	Every 6 months	mg/L	0.65	0.65	0.65	0.65
			Nitrogen (total)	Every 6 months	mg/L	19.7	19.7	19.7	19.7
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	19.0	19.0	19.0	19.0
			Phosphorus (total)	Every 6 months	mg/L	2.00	2.00	2.00	2.00
			Sodium	Every 6 months	mg/L	299	299	299	299
			Sulfate	Every 6 months	mg/L	248	248	248	248
			Total Dissolved Solids	Every 6 months	mg/L	1,380	1,380	1,380	1,380
Standing Water Level	Every 6 months	m	2	2	2	2			

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							Min Value	Mean Value	Max Value
8	25/01/2018	19/02/2018	pH	Every 6 months	pH	7.78	7.78	7.78	7.78
			Calcium	Every 6 months	mg/L	86	86	86	86
			Conductivity	Every 6 months	µS/cm	2,870	2,870	2,870	2,870
			Magnesium	Every 6 months	mg/L	41	41	41	41
			Nitrate	Every 6 months	mg/L	0.05	0.05	0.05	0.05
			Nitrogen (total)	Every 6 months	mg/L	4.0	4.0	4.0	4.0
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	3.9	3.9	3.9	3.9
			Phosphorus (total)	Every 6 months	mg/L	1.99	1.99	1.99	1.99
			Sodium	Every 6 months	mg/L	420	420	420	420
			Sulfate	Every 6 months	mg/L	45	45	45	45
			Total Dissolved Solids	Every 6 months	mg/L	1,640	1,640	1,640	1,640
Standing Water Level	Every 6 months	m	4	4	4	4			
9	25/01/2018	19/02/2018	pH	Every 6 months	pH	7.72	7.72	7.72	7.72
			Calcium	Every 6 months	mg/L	66	66	66	66
			Conductivity	Every 6 months	µS/cm	1,980	1,980	1,980	1,980
			Magnesium	Every 6 months	mg/L	31	31	31	31
			Nitrate	Every 6 months	mg/L	2.86	2.86	2.86	2.86
			Nitrogen (total)	Every 6 months	mg/L	4.9	4.9	4.9	4.9
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	2.0	2.0	2.0	2.0
			Phosphorus (total)	Every 6 months	mg/L	4.94	4.94	4.94	4.94
			Sodium	Every 6 months	mg/L	280	280	280	280
			Sulfate	Every 6 months	mg/L	127	127	127	127
			Total Dissolved Solids	Every 6 months	mg/L	1,060	1,060	1,060	1,060
Standing Water Level	Every 6 months	m	2	2	2	2			