

Groundwater Monitoring Data July 2018

Published: (CARGILL TO INSERT WEB PUBLICATION DATE)									
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 05/07/2018	2018 Values to date		
							Min Value	Mean Value	Max Value
6	05/07/2018	17/07/2018	pH	Every 6 months	pH	7.53	7.41	7.47	7.53
			Calcium	Every 6 months	mg/L	92	49	71	92
			Conductivity	Every 6 months	µS/cm	1,860	1,860	2,695	3,530
			Magnesium	Every 6 months	mg/L	33	33	35	36
			Nitrate	Every 6 months	mg/L	<0.1	<0.01	0.03	<0.1
			Nitrogen (total)	Every 6 months	mg/L	22.1	22.1	56.1	90.0
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	22.1	22.1	56.1	90.0
			Phosphorus (total)	Every 6 months	mg/L	60.5	60.5	214.8	369.0
			Sodium	Every 6 months	mg/L	276	276	437	597
			Sulfate	Every 6 months	mg/L	39	<10	25	39
			Total Dissolved Solids	Every 6 months	mg/L	1,380	1,380	1,580	1,780
Standing Water Level	Every 6 months	m	3	3	3	3			
7	05/07/2018	17/07/2018	pH	Every 6 months	pH	7.59	7.27	7.43	7.59
			Calcium	Every 6 months	mg/L	145	145	150	154
			Conductivity	Every 6 months	µS/cm	1,910	1,910	2,190	2,470
			Magnesium	Every 6 months	mg/L	11	11	15	18
			Nitrate	Every 6 months	mg/L	3.27	0.65	1.96	3.27
			Nitrogen (total)	Every 6 months	mg/L	11.5	11.5	15.6	19.7
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	8.2	8.2	13.6	19.0
			Phosphorus (total)	Every 6 months	mg/L	0.97	0.97	1.49	2.0
			Sodium	Every 6 months	mg/L	262	262	281	299
			Sulfate	Every 6 months	mg/L	260	248	254	260
			Total Dissolved Solids	Every 6 months	mg/L	1,160	1,160	1,270	1,380
Standing Water Level	Every 6 months	m	0	0	1	2			

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							Min Value	Mean Value	Max Value
8	05/07/2018	17/07/2018	pH	Every 6 months	pH	7.62	7.62	7.70	7.78
			Calcium	Every 6 months	mg/L	99	86	93	99
			Conductivity	Every 6 months	µS/cm	2,510	2,510	2,690	2,870
			Magnesium	Every 6 months	mg/L	43	41	42	43
			Nitrate	Every 6 months	mg/L	0.03	0.03	0.04	0.05
			Nitrogen (total)	Every 6 months	mg/L	3.2	3.2	3.6	4.0
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	3.2	3.2	3.6	3.9
			Phosphorus (total)	Every 6 months	mg/L	1.38	1.38	1.69	1.99
			Sodium	Every 6 months	mg/L	424	420	422	424
			Sulfate	Every 6 months	mg/L	232	45	139	232
			Total Dissolved Solids	Every 6 months	mg/L	1,580	1,580	1,610	1,640
Standing Water Level	Every 6 months	m	5	4	5	5			
9	05/07/2018	17/07/2018	pH	Every 6 months	pH	7.47	7.47	7.60	7.72
			Calcium	Every 6 months	mg/L	94	66	80	94
			Conductivity	Every 6 months	µS/cm	1,740	1,740	1,860	1,980
			Magnesium	Every 6 months	mg/L	36	31	34	36
			Nitrate	Every 6 months	mg/L	0.12	0.12	1.49	2.86
			Nitrogen (total)	Every 6 months	mg/L	1.3	1.3	3.1	4.9
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	1.1	1.1	1.6	2.0
			Phosphorus (total)	Every 6 months	mg/L	1.59	1.59	3.27	4.94
			Sodium	Every 6 months	mg/L	250	250	265	280
			Sulfate	Every 6 months	mg/L	118	118	123	127
			Total Dissolved Solids	Every 6 months	mg/L	1,030	1,030	1,045	1,060
Standing Water Level	Every 6 months	m	1	1	2	2			