

Groundwater Monitoring Data January 2019

Published: 23/1/2019 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 09/01/2019	2019 Values to date		
							Min Value	Mean Value	Max Value
6	09/01/2019	23/01/2019	pH	Every 6 months	pH	7.33	7.33	7.33	7.33
			Calcium	Every 6 months	mg/L	70	70	70	70
			Conductivity	Every 6 months	µS/cm	3,160	3,160	3,160	3,160
			Magnesium	Every 6 months	mg/L	38	38	38	38
			Nitrate	Every 6 months	mg/L	<0.01	<0.01	<0.01	<0.01
			Nitrogen (total)	Every 6 months	mg/L	59.1	59.1	59.1	59.1
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	59.1	59.10	59.1	59.1
			Phosphorus (total)	Every 6 months	mg/L	104	104.00	104.00	104.00
			Sodium	Every 6 months	mg/L	613	613	613	613
			Sulfate	Every 6 months	mg/L	<1	<1	<1	<1
			Total Dissolved Solids	Every 6 months	mg/L	3,760	3,760	3,760	3,760
Standing Water Level	Every 6 months	m	2	2	2	2			
7	09/01/2019	23/01/2019	pH	Every 6 months	pH	7.37	7.37	7.37	7.37
			Calcium	Every 6 months	mg/L	83	83	83	83
			Conductivity	Every 6 months	µS/cm	1,860	1,860	1,860	1,860
			Magnesium	Every 6 months	mg/L	8	8	8	8
			Nitrate	Every 6 months	mg/L	0.13	0.13	0.13	0.13
			Nitrogen (total)	Every 6 months	mg/L	21.4	21.4	21.4	21.4
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	21.2	21.2	21.2	21.2
			Phosphorus (total)	Every 6 months	mg/L	4.08	4.08	4.08	4.08
			Sodium	Every 6 months	mg/L	294	294	294	294
			Sulfate	Every 6 months	mg/L	215	215	215	215
			Total Dissolved Solids	Every 6 months	mg/L	1,240	1,240	1,240	1,240
Standing Water Level	Every 6 months	m	2	2	2	2			

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							Min Value	Mean Value	Max Value
8	09/01/2019	23/01/2019	pH	Every 6 months	pH	7.69	7.69	7.69	7.69
			Calcium	Every 6 months	mg/L	77	77	77	77
			Conductivity	Every 6 months	µS/cm	2,420	2,420	2,420	2,420
			Magnesium	Every 6 months	mg/L	32	32	32	32
			Nitrate	Every 6 months	mg/L	<0.01	<0.01	<0.01	<0.01
			Nitrogen (total)	Every 6 months	mg/L	3.7	3.7	3.7	3.7
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	3.7	3.7	3.7	3.7
			Phosphorus (total)	Every 6 months	mg/L	1.42	1.42	1.42	1.42
			Sodium	Every 6 months	mg/L	396	396	396	396
			Sulfate	Every 6 months	mg/L	164	164	164	164
			Total Dissolved Solids	Every 6 months	mg/L	1470	1,470	1,470	1,470
			Standing Water Level	Every 6 months	m	2	2	2	2
9	09/01/2019	23/01/2019	pH	Every 6 months	pH	7.37	7.37	7.37	7.37
			Calcium	Every 6 months	mg/L	92	92	92	92
			Conductivity	Every 6 months	µS/cm	2,100	2,100	2,100	2,100
			Magnesium	Every 6 months	mg/L	38	38	38	38
			Nitrate	Every 6 months	mg/L	<0.01	<0.01	<0.01	<0.01
			Nitrogen (total)	Every 6 months	mg/L	2.2	2.2	2.2	2.2
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	2.2	2.2	2.2	2.2
			Phosphorus (total)	Every 6 months	mg/L	4.95	4.95	4.95	4.95
			Sodium	Every 6 months	mg/L	311	311	311	311
			Sulfate	Every 6 months	mg/L	182	182	182	182
			Total Dissolved Solids	Every 6 months	mg/L	1,510	1,510	1,510	1,510
			Standing Water Level	Every 6 months	m	1	1	1	1