

Groundwater Monitoring Data July 2019

Published: 2 August 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 09/07/2019	2019 Values to date		
							Min Value	Mean Value	Max Value
6	09/07/2019	31/07/2019	pH	Every 6 months	pH	7.52	7.33	7.43	7.52
			Calcium	Every 6 months	mg/L	108	70	89	108
			Conductivity	Every 6 months	µS/cm	2,220	2,220	2690	3160
			Magnesium	Every 6 months	mg/L	39	38	39	39
			Nitrate	Every 6 months	mg/L	0.33	<0.01	0.17	0.33
			Nitrogen (total)	Every 6 months	mg/L	35.5	35.5	47.3	59.1
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	35.2	35.2	47.2	59.1
			Phosphorus (total)	Every 6 months	mg/L	344	104	224	344
			Sodium	Every 6 months	mg/L	344	344	479	613
			Sulfate	Every 6 months	mg/L	122	<1	61	122
			Total Dissolved Solids	Every 6 months	mg/L	1,280	1,280	2,520	3,760
Standing Water Level	Every 6 months	m	2	2	2	2			
7	-	-	pH	Every 6 months	pH	-	7.37	7.37	7.37
			Calcium	Every 6 months	mg/L	-	83	83	83
			Conductivity	Every 6 months	µS/cm	-	1,860	1,860	1,860
			Magnesium	Every 6 months	mg/L	-	8	8	8
			Nitrate	Every 6 months	mg/L	-	0.13	0.13	0.13
			Nitrogen (total)	Every 6 months	mg/L	-	21.4	21.4	21.4
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	-	21.2	21.2	21.2
			Phosphorus (total)	Every 6 months	mg/L	-	4.08	4.08	4.08
			Sodium	Every 6 months	mg/L	-	294	294	294
			Sulfate	Every 6 months	mg/L	-	215	215	215
			Total Dissolved Solids	Every 6 months	mg/L	-	1,240	1,240	1,240
Standing Water Level	Every 6 months	m	-	2	2	2			

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							Min Value	Mean Value	Max Value
8	09/07/2019	31/07/2019	pH	Every 6 months	pH	7.72	7.69	7.71	7.72
			Calcium	Every 6 months	mg/L	81	77	79	81
			Conductivity	Every 6 months	µS/cm	918	918	1669	2420
			Magnesium	Every 6 months	mg/L	8	8	20	32
			Nitrate	Every 6 months	mg/L	1.28	<0.01	0.6	1.28
			Nitrogen (total)	Every 6 months	mg/L	5.9	3.7	4.8	5.9
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	4.6	3.7	4.2	4.6
			Phosphorus (total)	Every 6 months	mg/L	1.40	1.40	1.41	1.42
			Sodium	Every 6 months	mg/L	124	124	260	396
			Sulfate	Every 6 months	mg/L	184	164	174	184
			Total Dissolved Solids	Every 6 months	mg/L	633	633	1,052	1,470
Standing Water Level	Every 6 months	m	2	2	2	2			
9	-	-	pH	Every 6 months	pH	-	7.37	7.37	7.37
			Calcium	Every 6 months	mg/L	-	92	92	92
			Conductivity	Every 6 months	µS/cm	-	2,100	2,100	2,100
			Magnesium	Every 6 months	mg/L	-	38	38	38
			Nitrate	Every 6 months	mg/L	-	<0.01	<0.01	<0.01
			Nitrogen (total)	Every 6 months	mg/L	-	2.2	2.2	2.2
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	-	2.2	2.2	2.2
			Phosphorus (total)	Every 6 months	mg/L	-	4.95	4.95	4.95
			Sodium	Every 6 months	mg/L	-	311	311	311
			Sulfate	Every 6 months	mg/L	-	182	182	182
			Total Dissolved Solids	Every 6 months	mg/L	-	1,510	1,510	1,510
Standing Water Level	Every 6 months	m	-	1	1	1			