

Groundwater Monitoring Data January 2020

Published: 23/1/2020 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 08/01/2020	2020 Values to date		
							Min Value	Mean Value	Max Value
6	08/01/2020	22/01/2020	pH	Every 6 months	pH	7.26	7.26	7.26	7.26
			Calcium	Every 6 months	mg/L	73	73	73	73
			Conductivity	Every 6 months	µS/cm	2,990	2,990	2,990	2,990
			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	16.6	16.6	16.6	16.6
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	16.6	16.6	16.6	16.6
			Phosphorus (total)	Every 6 months	mg/L	54.2	54.2	54.2	54.2
			Sodium	Every 6 months	mg/L	540	540	540	540
			Sulfate	Every 6 months	mg/L	<10	<10	<10	<10
			Total Dissolved Solids	Every 6 months	mg/L	1,880	1,880	1,880	1,880
			Standing Water Level	Every 6 months	m	2	2	2	2
7	08/01/2020	22/01/2020	pH	Every 6 months	pH	7.36	7.36	7.36	7.36
			Calcium	Every 6 months	mg/L	84	84	84	84
			Conductivity	Every 6 months	µS/cm	1,890	1,890	1,890	1,890
			Magnesium	Every 6 months	mg/L	13	13	13	13
			Nitrate	Every 6 months	mg/L	0.66	0.66	0.66	0.66
			Nitrogen (total)	Every 6 months	mg/L	27.4	27.4	27.4	27.4
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	26.6	26.6	26.6	26.6
			Phosphorus (total)	Every 6 months	mg/L	2.10	2.10	2.10	2.10
			Sodium	Every 6 months	mg/L	279	279	279	279
			Sulfate	Every 6 months	mg/L	<1	<1	<1	<1
			Total Dissolved Solids	Every 6 months	mg/L	1,010	1,010	1,010	1,010
			Standing Water Level	Every 6 months	m	1.2	1.2	1.2	1.2

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							Min Value	Mean Value	Max Value
8	08/01/2020	22/01/2020	pH	Every 6 months	pH	7.58	7.58	7.58	7.58
			Calcium	Every 6 months	mg/L	69	69	69	69
			Conductivity	Every 6 months	µS/cm	2,510	2,510	2,510	2,510
			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	5.5	5.5	5.5	5.5
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	5.5	5.5	5.5	5.5
			Phosphorus (total)	Every 6 months	mg/L	3.42	3.42	3.42	3.42
			Sodium	Every 6 months	mg/L	422	422	422	422
			Sulfate	Every 6 months	mg/L	124	124	124	124
			Total Dissolved Solids	Every 6 months	mg/L	1,330	1,330	1,330	1,330
Standing Water Level	Every 6 months	m	4	4	4	4			
9	08/01/2020	22/01/2020	pH	Every 6 months	pH	7.63	7.63	7.63	7.63
			Calcium	Every 6 months	mg/L	66	66	66	66
			Conductivity	Every 6 months	µS/cm	2,310	2,310	2,310	2,310
			Magnesium	Every 6 months	mg/L	45	45	45	45
			Nitrate	Every 6 months	mg/L	0.02	0.02	0.02	0.02
			Nitrogen (total)	Every 6 months	mg/L	14.5	14.5	14.5	14.5
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	14.5	14.5	14.5	14.5
			Phosphorus (total)	Every 6 months	mg/L	12.7	12.7	12.7	12.7
			Sodium	Every 6 months	mg/L	386	386	386	386
			Sulfate	Every 6 months	mg/L	62	62	62	62
			Total Dissolved Solids	Every 6 months	mg/L	1,400	1,400	1,400	1,400
Standing Water Level	Every 6 months	m	4	4	4	4			