

Groundwater Monitoring Data July 2014

Published: 12 August 2014 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 24/07/14	2014 Values to date		
							Min Value	Mean Value	Max Value
6	24/07/14	07/08/14	pH	Every 6 months	pH	7.53	7.33	7	7.53
			Calcium	Every 6 months	mg/L	104	89	97	104
			Conductivity	Every 6 months	µS/cm	2,850	2,430	2,640	2,850
			Magnesium	Every 6 months	mg/L	43	31	37	43
			Nitrate	Every 6 months	mg/L	0.02	0.01	0	0.02
			Nitrogen (total)	Every 6 months	mg/L	3.6	2.7	3	3.6
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	3.6	2.7	3	3.6
			Phosphorus (total)	Every 6 months	mg/L	2.41	0.89	2	2.41
			Sodium	Every 6 months	mg/L	442	387	415	442
			Sulfate	Every 6 months	mg/L	8	8	24	40
			Total Dissolved Solids	Every 6 months	mg/L	1,400	1,300	1,350	1,400
			Standing Water Level	Every 6 months	m	1.5	1.5	2	1.5
7	24/07/14	07/08/14	pH	Every 6 months	pH	7.3	7.3	8	7.78
			Calcium	Every 6 months	mg/L	111	106	109	111
			Conductivity	Every 6 months	µS/cm	1,730	1,730	1,775	1,820
			Magnesium	Every 6 months	mg/L	17	13	15	17
			Nitrate	Every 6 months	mg/L	0.01	0.01	1	1.31
			Nitrogen (total)	Every 6 months	mg/L	17.8	13.8	16	17.8
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	17.8	12.4	15	17.8
			Phosphorus (total)	Every 6 months	mg/L	4.72	0.74	3	4.72
			Sodium	Every 6 months	mg/L	229	229	235	241
			Sulfate	Every 6 months	mg/L	1	1	45	89
			Total Dissolved Solids	Every 6 months	mg/L	846	846	911	976
			Standing Water Level	Every 6 months	m	0	0	0	0

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							Min Value	Mean Value	Max Value
8	24/07/14	07/08/14	pH	Every 6 months	pH	7.75	7.75	8	7.85
			Calcium	Every 6 months	mg/L	107	72	90	107
			Conductivity	Every 6 months	µS/cm	3,020	2,690	2,855	3,020
			Magnesium	Every 6 months	mg/L	57	44	51	57
			Nitrate	Every 6 months	mg/L	0.03	0.01	0	0.03
			Nitrogen (total)	Every 6 months	mg/L	4.4	4.4	5	5
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	4.4	4.4	5	5
			Phosphorus (total)	Every 6 months	mg/L	2.17	2.04	2	2.17
			Sodium	Every 6 months	mg/L	525	468	497	525
			Sulfate	Every 6 months	mg/L	110	110	136	161
			Total Dissolved Solids	Every 6 months	mg/L	1,640	1,530	1,585	1,640
			Standing Water Level	Every 6 months	m	3	3	3	3
9	24/07/14	07/08/14	pH	Every 6 months	pH	7.4	7.3	7	7.4
			Calcium	Every 6 months	mg/L	116	116	146	175
			Conductivity	Every 6 months	µS/cm	1,710	1,710	2,230	2,750
			Magnesium	Every 6 months	mg/L	43	43	48	53
			Nitrate	Every 6 months	mg/L	0.49	0.01	0	0.49
			Nitrogen (total)	Every 6 months	mg/L	1.1	1.1	1	1.4
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	0.6	0.6	1	1.4
			Phosphorus (total)	Every 6 months	mg/L	0.17	0.17	0	0.74
			Sodium	Every 6 months	mg/L	182	182	285	388
			Sulfate	Every 6 months	mg/L	144	144	305	466
			Total Dissolved Solids	Every 6 months	mg/L	975	975	1,333	1,690
			Standing Water Level	Every 6 months	m	1.55	1.55	2	1.55