

Wastewater Monitoring Data October 2019

Published: 5/12/19 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 Oct 2019	2019 Values to date		
							Min Value	Mean Value	Max Value
12	02/10/2019	24/10/2019	pH	Quarterly	pH Unit	3.05	3.05	6.54	8.07
			Sodium Adsorption Ratio	Quarterly	-	2.9	2.13	5.82	9.66
			Electrical Conductivity	Quarterly	µS/cm	1,340	1,040	1,308	1,660
			Chloride	Quarterly	mg/L	73	73	132	187
			Total Nitrogen	Quarterly	mg/L	39.4	33.1	43.0	51.2
			Total Phosphorus	Quarterly	mg/L	2.38	0.10	1.01	2.38
			Oil and Grease	Quarterly	mg/L	36	<5	13	36
			Calcium	Quarterly	mg/L	36	13	28	46
			Magnesium	Quarterly	mg/L	9	6	8	10
			Sodium	Quarterly	mg/L	75	75	161	224
			Potassium	Quarterly	mg/L	8	6	10	17
			Arsenic	Annually	mg/L	-	0.005	0.005	0.005
			Cadmium	Annually	mg/L	-	<0.0001	<0.0001	<0.0001
			Chromium	Annually	mg/L	-	0.042	0.042	0.042
			Copper	Annually	mg/L	-	0.018	0.018	0.018
			Lead	Annually	mg/L	-	<0.001	<0.001	<0.001
			Nickel	Annually	mg/L	-	0.375	0.375	0.375
Zinc	Annually	mg/L	-	0.721	0.721	0.721			
Organochlorine Pesticides	Annually	mg/L	-	<0.1	<0.1	<0.1			
Organophosphate Pesticides	Annually	mg/L	-	<0.1	<0.1	<0.1			
13	02/10/2019	24/10/2019	pH	Quarterly	pH Unit	7.99	7.65	7.76	7.99
			Sodium Adsorption Ratio	Quarterly	-	1.93	1.93	2.23	2.56
			Electrical Conductivity	Quarterly	µS/cm	1,080	898	963	1080
			Chloride	Quarterly	mg/L	59	59	80	130
			Total Nitrogen	Quarterly	mg/L	70.3	61.1	71.0	77.3
			Total Phosphorus	Quarterly	mg/L	9.29	8.70	9.16	9.93
			Oil and Grease	Quarterly	mg/L	<5	<5	4	6
			Enterococci	Quarterly	CFU/ 100mL	28,000	800	42,700	120,000
			Faecal Coliforms	Quarterly	CFU/ 100mL	2,100,000	22,000	1,070,500	2,100,000
			Calcium	Quarterly	mg/L	36	20	28	36

			Magnesium	Quarterly	mg/L	9	7	8	9
			Sodium	Quarterly	mg/L	50	48	52	58
			Potassium	Quarterly	mg/L	28	22	26	30
			Arsenic	Annually	mg/L	-	<0.001	<0.001	<0.001
			Cadmium	Annually	mg/L	-	0.0002	0.0002	0.0002
			Chromium	Annually	mg/L	-	0.004	0.004	0.004
			Copper	Annually	mg/L	-	0.079	0.079	0.079
			Lead	Annually	mg/L	-	0.002	0.002	0.002
			Nickel	Annually	mg/L	-	0.008	0.008	0.008
			Zinc	Annually	mg/L	-	0.340	0.340	0.340

*N/D: Not Detected