

Wastewater Monitoring Data April 2019

Published: 13/5/2019 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 April 2019	2019 Values to date		
							Min Value	Mean Value	Max Value
12	02/05/2019	09/05/2019	pH	Quarterly	pH Unit	7.32	7.32	7.70	8.07
			Sodium Adsorption Ratio	Quarterly	-	9.66	8.57	9.12	9.66
			Electrical Conductivity	Quarterly	µS/cm	1190	1040	1115	1190
			Chloride	Quarterly	mg/L	137	132	135	137
			Total Nitrogen	Quarterly	mg/L	33.1	33.1	40.6	48.1
			Total Phosphorus	Quarterly	mg/L	0.50	0.50	0.77	1.04
			Oil and Grease	Quarterly	mg/L	<5	<5	5	7
			Calcium	Quarterly	mg/L	18	13	16	18
			Magnesium	Quarterly	mg/L	8	6	7	8
			Sodium	Quarterly	mg/L	196	149	173	196
			Potassium	Quarterly	mg/L	9	6	8	9
			Arsenic	Annually	mg/L	-	-	-	-
			Cadmium	Annually	mg/L	-	-	-	-
			Chromium	Annually	mg/L	-	-	-	-
			Copper	Annually	mg/L	-	-	-	-
			Lead	Annually	mg/L	-	-	-	-
			Nickel	Annually	mg/L	-	-	-	-
Zinc	Annually	mg/L	-	-	-	-			
Organochlorine Pesticides	Annually	mg/L	-	-	-	-			
Organophosphate Pesticides	Annually	mg/L	-	-	-	-			
13	02/05/2019	09/05/2019	pH	Quarterly	pH Unit	7.70	7.65	7.68	7.70
			Sodium Adsorption Ratio	Quarterly	-	2.56	2.29	2.43	2.56
			Electrical Conductivity	Quarterly	µS/cm	939	936	938	939
			Chloride	Quarterly	mg/L	130	68	99	130
			Total Nitrogen	Quarterly	mg/L	61.1	61.1	68.3	75.4
			Total Phosphorus	Quarterly	mg/L	8.7	8.70	8.71	8.71
			Oil and Grease	Quarterly	mg/L	6	5	4	6
			Enterococci	Quarterly	CFU/ 100mL	~800	~800	60,400	120,000
			Faecal Coliforms	Quarterly	CFU/ 100mL	22,000	22,000	41,000	60,000
			Calcium	Quarterly	mg/L	24	20	22	24

			Magnesium	Quarterly	mg/L	9	8	9	9
			Sodium	Quarterly	mg/L	58	48	53	58
			Potassium	Quarterly	mg/L	30	25	28	30
			Arsenic	Annually	mg/L	-	-	-	-
			Cadmium	Annually	mg/L	-	-	-	-
			Chromium	Annually	mg/L	-	-	-	-
			Copper	Annually	mg/L	-	-	-	-
			Lead	Annually	mg/L	-	-	-	-
			Nickel	Annually	mg/L	-	-	-	-
			Zinc	Annually	mg/L	-	-	-	-

*N/D: Not Detected