

Wastewater Monitoring Data October 2020

Published: 10 Nov 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 19/10/2020	2020 Values to date		
							Min Value	Mean Value	Max Value
12	19/10/2020	26/10/2020	pH	Quarterly	pH Unit	7.43	7.43	7.66	7.9
			Sodium Adsorption Ratio	Quarterly	-	4.24	2.1	5.7	13.1
			Electrical Conductivity	Quarterly	µS/cm	918	918	1,170	1,770
			Chloride	Quarterly	mg/L	129	68	177	367
			Total Nitrogen	Quarterly	mg/L	20.9	18.8	34.4	68.1
			Total Phosphorus	Quarterly	mg/L	1.38	0.25	3.57	7.92
			Oil and Grease	Quarterly	mg/L	5	5	5	8
			Calcium	Quarterly	mg/L	28	28	35	48
			Magnesium	Quarterly	mg/L	14	8	11	14
			Sodium	Quarterly	mg/L	110	51	144	316
			Potassium	Quarterly	mg/L	32	8	23	32
			Arsenic	Annually	mg/L	0.004	0.004	0.004	0.004
			Cadmium	Annually	mg/L	0.0001	0.0001	0.0001	0.0001
			Chromium	Annually	mg/L	0.022	0.022	0.022	0.022
			Copper	Annually	mg/L	0.031	0.031	0.031	0.031
			Lead	Annually	mg/L	0.002	0.002	0.002	0.002
			Nickel	Annually	mg/L	0.024	0.024	0.024	0.024
			Zinc	Annually	mg/L	0.27	0.27	0.27	0.27
			Organochlorine Pesticides	Annually	mg/L	<0.1	<0.1	<0.1	<0.1
			Organophosphate Pesticides	Annually	mg/L	<0.1	<0.1	<0.1	<0.1
13	19/10/2020	26/10/2020	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	1080	898	963	1080
			Chloride	Quarterly	mg/L	59	59	80	130
			Total Nitrogen	Quarterly	mg/L	70.3	61.1	71	77.3
			Total Phosphorus	Quarterly	mg/L	9.29	8.7	9.16	9.93
			Oil and Grease	Quarterly	mg/L	5	5	4	6
			Enterococci	Quarterly	CFU/ 100mL	28000	800	42700	120000
			Faecal Coliforms	Quarterly	CFU/ 100mL	2100000	22000	1070500	2100000
			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	<0.001
			Cadmium	Annually	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
			Chromium	Annually	mg/L	<0.001	<0.001	<0.001	<0.001
			Copper	Annually	mg/L	0.003	0.003	0.003	0.003
			Lead	Annually	mg/L	<0.001	<0.001	<0.001	<0.001
			Nickel	Annually	mg/L	0.005	0.005	0.005	0.005
			Zinc	Annually	mg/L	0.024	0.024	0.024	0.024

*N/D: Not Detected