

## Wastewater Monitoring Data July 2021

Published: 13 July 2021 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 01/07/2021	2021 Values to date		
							Min Value	Mean Value	Max Value
12	01/07/2021	08/07/2021	pH	Quarterly	pH Unit	7.64	7.44	7.58	7.66
			Sodium Adsorption Ratio	Quarterly	-	8.25	8.12	15.22	29.3
			Electrical Conductivity	Quarterly	µS/cm	1240	985	1341.7	1800
			Chloride	Quarterly	mg/L	85	1	55.3	85
			Total Nitrogen	Quarterly	mg/L	23.9	10.3	28.8	52.2
			TKN	Quarterly	mg/L	23.9	10.3	28.8	52.3
			Total Phosphorus	Quarterly	mg/L	1.24	0.5	9.1	25.5
			Oil and Grease	Quarterly	mg/L	6	5	70.7	194
			Calcium	Quarterly	mg/L	31	7	20	31
			Magnesium	Quarterly	mg/L	11	2	7.3	11
			Sodium	Quarterly	mg/L	210	179	282.3	458
			Potassium	Quarterly	mg/L	11	7	10.3	13
			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	01/07/2021	08/07/2021	pH	Quarterly	pH Unit	7.59	7.59	7.68	7.75
			Sodium Adsorption Ratio	Quarterly	-	2,36	1.89	2.15	2.36
			Electrical Conductivity	Quarterly	µS/cm	1050	895	1001.7	1060
			Chloride	Quarterly	mg/L	92	19	65.7	92
			Total Nitrogen	Quarterly	mg/L	79.3	60.2	69.2	79.3
			TKN	Quarterly	mg/L	79.3	60.1	68.9	79.3
			Total Phosphorus	Quarterly	mg/L	11	9.6	10.2	11
			Oil and Grease	Quarterly	mg/L	13	5	7.7	13
			Enterococci	Quarterly	CFU/ 100mL	~6500	1	2253.7	6500

			Faecal Coliforms	Quarterly	CFU/ 100mL	65,000,000	10	21,666,693	65,000,000
			Calcium	Quarterly	mg/L	25	23	25.3	28
			Magnesium	Quarterly	mg/L	9	8	9	10
			Sodium	Quarterly	mg/L	54	44	49.3	54
			Potassium	Quarterly	mg/L	30	26	29.3	32
			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