

Wastewater Monitoring Data July 2018

Published: (CARGILL TO INSERT WEB PUBLICATION DATE)									
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 July 2018	2018 Values to date		
							Min Value	Mean Value	Max Value
12	5/07/2018	17/07/2018	pH	Quarterly	pH Unit	7.31	7.31	7.80	8.13
			Sodium Adsorption Ratio	Quarterly	-	6.72	6.72	11.28	19.60
			Electrical Conductivity	Quarterly	µS/cm	1,360	852	2744	6,020
			Chloride	Quarterly	mg/L	143	58	577	1,530
			Total Nitrogen	Quarterly	mg/L	40.6	34.9	46.5	64.1
			Total Phosphorus	Quarterly	mg/L	1.52	1.52	2.82	4.02
			Oil and Grease	Quarterly	mg/L	16	6	8	16
			Calcium	Quarterly	mg/L	26	11	66	161
			Magnesium	Quarterly	mg/L	9	5	22	52
			Sodium	Quarterly	mg/L	156	120	465	1,120
			Potassium	Quarterly	mg/L	8	7	12	22
			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	5/07/2018	17/07/2018	pH	Quarterly	pH Unit	6.58	6.58	7.24	7.64
			Sodium Adsorption Ratio	Quarterly	-	2.48	2.15	2.32	2.48
			Electrical Conductivity	Quarterly	µS/cm	1,080	867	982	1080
			Chloride	Quarterly	mg/L	172	65	104	172
			Total Nitrogen	Quarterly	mg/L	92.7	31.2	64.6	92.7
			Total Phosphorus	Quarterly	mg/L	10.4	7.03	8.85	10.4
			Oil and Grease	Quarterly	mg/L	12	<5	6	12
			Enterococci	Quarterly	CFU/ 100mL	<2	<2	1,367	3,000

			Faecal Coliforms	Quarterly	CFU/ 100mL	<2	<2	833,370	2,500,000
			Calcium	Quarterly	mg/L	21	19	20	21
			Magnesium	Quarterly	mg/L	6	6	7	8
			Sodium	Quarterly	mg/L	50	45	47	50
			Potassium	Quarterly	mg/L	28	24	26	28
			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