

Wastewater Monitoring Data October 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 October 2018	2018 Values to date		
							Min Value	Mean Value	Max Value
12	11/10/2018	30/10/2018	pH	Quarterly	pH Unit	7.38	7.31	7.69	8.13
			Sodium Adsorption Ratio	Quarterly	-	16.6	6.72	12.61	19.60
			Electrical Conductivity	Quarterly	µS/cm	3,080	852	2,828	6,020
			Chloride	Quarterly	mg/L	133	58	466	1,530
			Total Nitrogen	Quarterly	mg/L	91.1	34.9	57.7	91.1
			Total Phosphorus	Quarterly	mg/L	1.65	1.52	2.82	4.02
			Oil and Grease	Quarterly	mg/L	19	6	8	19
			Calcium	Quarterly	mg/L	37	11	59	161
			Magnesium	Quarterly	mg/L	13	5	20	52
			Sodium	Quarterly	mg/L	461	120	464	1,120
			Potassium	Quarterly	mg/L	10	7	12	22
			Arsenic	Annually	mg/L	0.015	0.015	0.015	0.015
			Cadmium	Annually	mg/L	0.0001	0.0001	0.0001	0.0001
			Chromium	Annually	mg/L	0.312	0.312	0.312	0.312
			Copper	Annually	mg/L	0.039	0.039	0.039	0.039
			Lead	Annually	mg/L	0.002	0.002	0.002	0.002
			Nickel	Annually	mg/L	0.342	0.342	0.342	0.342
Zinc	Annually	mg/L	0.135	0.135	0.135	0.135			
Organochlorine Pesticides	Annually	mg/L	N/D	N/D	N/D	N/D			
Organophosphate Pesticides	Annually	mg/L	N/D	N/D	N/D	N/D			
13	11/10/2018	30/10/2018	pH	Quarterly	pH Unit	7.82	6.58	7.39	7.82
			Sodium Adsorption Ratio	Quarterly	-	2.64	2.15	2.40	2.64
			Electrical Conductivity	Quarterly	µS/cm	1,120	867	1,017	1,120
			Chloride	Quarterly	mg/L	70	65	95	172
			Total Nitrogen	Quarterly	mg/L	80.7	31.2	68.6	92.7
			Total Phosphorus	Quarterly	mg/L	10.6	7.03	9.29	10.6
			Oil and Grease	Quarterly	mg/L	<5	<5	5	12
			Enterococci	Quarterly	CFU/ 100mL	15,000	<2	4,775	15,000

			Faecal Coliforms	Quarterly	CFU/ 100mL	530,000	<2	757,858	2500,000
			Calcium	Quarterly	mg/L	22	19	21	22
			Magnesium	Quarterly	mg/L	8	6	7	8
			Sodium	Quarterly	mg/L	57	45	50	57
			Potassium	Quarterly	mg/L	29	24	27	29
			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	0.007	0.007	0.007	0.007
			Lead	Annually	mg/L	<0.001	<0.001	<0.001	<0.001
			Nickel	Annually	mg/L	0.003	0.003	0.003	0.003
			Zinc	Annually	mg/L	0.031	0.031	0.031	0.031

*N/D: Not Detected