

Wastewater Monitoring Data January 2017

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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 23/01/2017	2017 Values to date		
							Min Value	Mean Value	Max Value
12	23/01/2017	06/02/2017	pH	Quarterly	pH Unit	8.13	8.13	8.13	8.13
			Sodium Adsorption Ratio	Quarterly	-	5.5	5.5	5.5	5.5
			Electrical Conductivity	Quarterly	µS/cm	692	692	692	692
			Chloride	Quarterly	mg/L	47	47	47	47
			Total Nitrogen	Quarterly	mg/L	12.8	12.8	12.8	12.8
			Total Phosphorus	Quarterly	mg/L	0.51	0.51	0.51	0.51
			Oil and Grease	Quarterly	mg/L	16	16	16	16
			Calcium	Quarterly	mg/L	13	13	13	13
			Magnesium	Quarterly	mg/L	7	7	7	7
			Sodium	Quarterly	mg/L	99	99	99	99
			Potassium	Quarterly	mg/L	21	21	21	21
			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	23/01/2017	06/02/2017	pH	Quarterly	pH Unit	3.02	3.02	3.02	3.02
			Sodium Adsorption Ratio	Quarterly	-	1.48	1.48	1.48	1.48
			Electrical Conductivity	Quarterly	µS/cm	1,420	1,420	1,420	1,420
			Chloride	Quarterly	mg/L	228	228	228	228
			Total Nitrogen	Quarterly	mg/L	69.0	69.0	69.0	69.0
			Total Phosphorus	Quarterly	mg/L	6.77	6.77	6.77	6.77
			Oil and Grease	Quarterly	mg/L	<5	<5	<5	<5
			Enterococci	Quarterly	CFU/ 100mL	<2	<2	<2	<2
			Faecal Coliforms	Quarterly	CFU/ 100mL	<2	<2	<2	<2
			Calcium	Quarterly	mg/L	57	57	57	57
			Magnesium	Quarterly	mg/L	10	10	10	10
			Sodium	Quarterly	mg/L	46	46	46	46
			Potassium	Quarterly	mg/L	26	26	26	26
			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