

Wastewater Monitoring Data April 2016

Published: Thursday 14th April 2016

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 04/04/2016	2016 Values to date		
							Min Value	Mean Value	Max Value
12	04/04/2016	14/04/2016	pH	Quarterly	pH Unit	8.93	8.57	8.75	8.93
			Sodium Adsorption Ratio	Quarterly	-	10.90	9.96	10.43	10.90
			Electrical Conductivity	Quarterly	µS/cm	1,020	1,020	1,210	1,400
			Chloride	Quarterly	mg/L	87	87	111	134
			Total Nitrogen	Quarterly	mg/L	9.2	9.2	20.0	30.7
			Total Phosphorus	Quarterly	mg/L	0.27	0.27	0.34	0.41
			Oil and Grease	Quarterly	mg/L	23	12	18	23
			Calcium	Quarterly	mg/L	17	17	22	27
			Magnesium	Quarterly	mg/L	5	5	7	9
			Sodium	Quarterly	mg/L	199	199	217	234
			Potassium	Quarterly	mg/L	7	7	8	9
			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	04/04/2016	14/04/2016	pH	Quarterly	pH Unit	7.68	7.67	7.68	7.68
			Sodium Adsorption Ratio	Quarterly	-	2.35	2.35	2.55	2.75
			Electrical Conductivity	Quarterly	µS/cm	810	810	925	1,040
			Chloride	Quarterly	mg/L	65	65	67	68
			Total Nitrogen	Quarterly	mg/L	56.6	56.6	62.1	67.5
			Total Phosphorus	Quarterly	mg/L	9.00	9.00	9.42	9.83
			Oil and Grease	Quarterly	mg/L	20	5	13	20
			Enterococci	Quarterly	CFU/ 100mL	30,000	4,000	17,000	30,000
			Faecal Coliforms	Quarterly	CFU/ 100mL	800,000	17,000	408,500	800,000
			Calcium	Quarterly	mg/L	21	21	23	24
			Magnesium	Quarterly	mg/L	8	8	8	8
			Sodium	Quarterly	mg/L	50	50	56	61
			Potassium	Quarterly	mg/L	24	24	30	35
			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