

Wastewater Monitoring Data April 2015

Published: 30 April 2015 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 17/04/2015	2015 Values to date		
							Min Value	Mean Value	Max Value
12	17/04/15	30/04/2015	pH	Quarterly	pH Unit	8.01	7.53	7.77	8.01
			Sodium Adsorption Ratio	Quarterly	-	8.78	4.09	6.44	8.78
			Electrical Conductivity	Quarterly	µS/cm	1,720	559	1,140	1,720
			Chloride	Quarterly	mg/L	206	43	125	206
			Total Nitrogen	Quarterly	mg/L	20.1	20.1	30.9	41.6
			Total Phosphorus	Quarterly	mg/L	0.55	0.55	1.71	2.87
			Oil and Grease	Quarterly	mg/L	23	14	19	23
			Calcium	Quarterly	mg/L	41	13	27	41
			Magnesium	Quarterly	mg/L	18	5	12	18
			Sodium	Quarterly	mg/L	268	68	168	268
			Potassium	Quarterly	mg/L	14	14	19	23
			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	17/04/15	30/04/2015	pH	Quarterly	pH Unit	7.71	7.48	7.60	7.71
			Sodium Adsorption Ratio	Quarterly	-	2.65	2.60	2.63	2.65
			Electrical Conductivity	Quarterly	µS/cm	1,040	962	1,001	1,040
			Chloride	Quarterly	mg/L	85	85	87	88
			Total Nitrogen	Quarterly	mg/L	61.3	61.3	63.9	66.5
			Total Phosphorus	Quarterly	mg/L	8.32	7.87	8.10	8.32
			Oil and Grease	Quarterly	mg/L	10	7	9	10
			Enterococci	Quarterly	CFU/ 100mL	33,000	33,000	51,500	70,000
			Faecal Coliforms	Quarterly	CFU/ 100mL	430,000	330,000	380,000	430,000

			Calcium	Quarterly	mg/L	24	21	23	24
			Magnesium	Quarterly	mg/L	9	8	9	9
			Sodium	Quarterly	mg/L	60	56	58	60
			Potassium	Quarterly	mg/L	31	27	29	31
			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