

Wastewater Monitoring Data April 2016

Published: Friday 29 th 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	2016 Values to date		
							Point 12 - 04/04/2016	Min Value	Mean Value
						Point 13 – 19/04/2016			
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	19/04/2016	28/04/2016	pH	Quarterly	pH Unit	7.48	7.48	7.61	7.68
			Sodium Adsorption Ratio	Quarterly	-	2.55	2.35	2.55	2.75
			Electrical Conductivity	Quarterly	µS/cm	880	810	910	1,040
			Chloride	Quarterly	mg/L	78	65	70	78
			Total Nitrogen	Quarterly	mg/L	64.2	56.6	62.8	67.5
			Total Phosphorus	Quarterly	mg/L	10.2	9.0	9.7	10.2
			Oil and Grease	Quarterly	mg/L	<5	<5	10	20
			Enterococci	Quarterly	CFU/ 100mL	2,300	2,300	12,100	30,000
			Faecal Coliforms	Quarterly	CFU/ 100mL	500	500	272,500	800,000
			Calcium	Quarterly	mg/L	20	20	22	24
			Magnesium	Quarterly	mg/L	7	7	8	8
			Sodium	Quarterly	mg/L	52	50	54	61
			Potassium	Quarterly	mg/L	28	24	29	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