

## Wastewater Monitoring Data June 2015

Published: 15 July 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 26/06/2015	2015 Values to date		
							Min Value	Mean Value	Max Value
12	26/06/2015	10/07/2015	pH	Quarterly	pH Unit	7.58	7.53	7.71	8.01
			Sodium Adsorption Ratio	Quarterly	-	5.14	4.09	6.00	8.78
			Electrical Conductivity	Quarterly	µS/cm	866	559	1,048	1,720
			Chloride	Quarterly	mg/L	64	43	104	206
			Total Nitrogen	Quarterly	mg/L	32.4	20.1	31.4	41.6
			Total Phosphorus	Quarterly	mg/L	1.27	0.55	1.56	2.87
			Oil and Grease	Quarterly	mg/L	38	14	25	38
			Calcium	Quarterly	mg/L	28	13	27	41
			Magnesium	Quarterly	mg/L	6	5	10	18
			Sodium	Quarterly	mg/L	115	68	150	268
			Potassium	Quarterly	mg/L	10	10	16	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	26/06/2015	10/07/2015	pH	Quarterly	pH Unit	7.74	7.48	7.64	7.74
			Sodium Adsorption Ratio	Quarterly	-	2.75	2.60	2.67	2.75
			Electrical Conductivity	Quarterly	µS/cm	1,330	962	1,111	1,330
			Chloride	Quarterly	mg/L	102	85	92	102
			Total Nitrogen	Quarterly	mg/L	97.2	61.3	75.0	97.2
			Total Phosphorus	Quarterly	mg/L	12.30	7.87	9.50	12.30
			Oil and Grease	Quarterly	mg/L	8	7	8	10
			Enterococci	Quarterly	CFU/ 100mL	1,000	1,000	34,667	70,000
			Faecal Coliforms	Quarterly	CFU/ 100mL	93,000	93,000	284,333	430,000

			Calcium	Quarterly	mg/L	33	21	26	33
			Magnesium	Quarterly	mg/L	8	8	8	9
			Sodium	Quarterly	mg/L	68	56	61	68
			Potassium	Quarterly	mg/L	41	27	33	41
			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