

Wastewater Monitoring Data October 2014

Published: 05 November 2014 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 13/10/14	2014 Values to date		
							Min Value	Mean Value	Max Value
12	13/10/14	29/10/14	pH	Quarterly	pH Unit	7.25	7.11	8.04	10.10
			Sodium Adsorption Ratio	Quarterly	-	5.24	5.24	10.50	16.20
			Electrical Conductivity	Quarterly	µS/cm	389	389	666	903
			Chloride	Quarterly	mg/L	39	29	49	95
			Total Nitrogen	Quarterly	mg/L	0.7	0.70	16.15	54.10
			Total Phosphorus	Quarterly	mg/L	0.01	0.01	3.09	11.70
			Oil and Grease	Quarterly	mg/L	20	8	42	87
			Calcium	Quarterly	mg/L	5	4	6	8
			Magnesium	Quarterly	mg/L	3	3	4	4
			Sodium	Quarterly	mg/L	60	60	136	225
			Potassium	Quarterly	mg/L	7	4	8	11
			Arsenic	Annually	mg/L	0.001	0.001	0.002	0.002
			Cadmium	Annually	mg/L	0.0001	0.0001	0.0002	0.0002
			Chromium	Annually	mg/L	0.003	<0.001	0.002	0.003
			Copper	Annually	mg/L	0.007	0.006	0.007	0.007
			Lead	Annually	mg/L	0.002	<0.001	0.002	0.002
			Nickel	Annually	mg/L	0.005	0.003	0.004	0.005
			Zinc	Annually	mg/L	0.157	0.034	0.096	0.157
			Organochlorine Pesticides	Annually	mg/L	N/D	-	-	-
			Organophosphate Pesticides	Annually	mg/L	N/D	-	-	-
13	13/10/14	29/10/14	pH	Quarterly	pH Unit	8.07	7.39	7.82	8.07
			Sodium Adsorption Ratio	Quarterly	-	2.98	2.98	3.03	3.16
			Electrical Conductivity	Quarterly	µS/cm	1,080	914	1,041	1,110
			Chloride	Quarterly	mg/L	90	77	82	90
			Total Kjeldahl Nitrogen	Quarterly	mg/L	<0.1	<0.1	51	119
			Total Nitrogen	Quarterly	mg/L	<0.1	<0.1	51	119
			Total Phosphorus	Quarterly	mg/L	<0.01	<0.01	6.5	16.0
			Oil and Grease	Quarterly	mg/L	8	8	25	60
			Enterococci	Quarterly	CFU/ 100mL	85,000	85,000	121,250	160,000

			Faecal Coliforms	Quarterly	CFU/ 100mL	740,000	240,000	1,895,000	4,000,000
			Calcium	Quarterly	mg/L	16	10	14	16
			Magnesium	Quarterly	mg/L	6	5	6	7
			Sodium	Quarterly	mg/L	55	49	54	57
			Potassium	Quarterly	mg/L	29	29	37	54
			Arsenic	Annually	mg/L	<0.001	<0.001	0.001	0.001
			Cadmium	Annually	mg/L	<0.0001	<0.0001	0.0002	0.0003
			Chromium	Annually	mg/L	<0.001	<0.001	0.004	0.006
			Copper	Annually	mg/L	0.015	0.015	0.043	0.070
			Lead	Annually	mg/L	<0.001	<0.001	0.003	0.004
			Nickel	Annually	mg/L	0.006	0.006	0.012	0.018
			Zinc	Annually	mg/L	0.044	0.044	0.176	0.307

*N/D: Not Detected